



API  
Impurities

Unknown  
Impurities  
Isolation

API  
Reference  
Standards

Pharmaceutical  
Working  
Standards

Nitrosamine  
Products

Stable Isotope  
Labelled  
Compounds

Stable Isotope  
Labelled  
Compounds



| SR No | Product Name                                 | CAT No     | CAS No       |
|-------|----------------------------------------------|------------|--------------|
| 1     | Abacavir                                     | VS-A001000 | 136470-78-5  |
| 2     | Abacavir Sulfate                             | VS-A001001 | 188062-50-2  |
| 3     | Abacavir EP Impurity A                       | VS-A001002 | 136470-79-6  |
| 4     | Abacavir Related Compound A                  | VS-A001003 | 906626-51-5  |
| 5     | Abacavir EP Impurity B                       | VS-A001004 | 1443421-69-9 |
| 6     | Abacavir USP Related Compound B              | VS-A001005 | 2125943-52-2 |
| 7     | Abacavir EP Impurity C                       | VS-A001006 | 124752-25-6  |
| 8     | Abacavir USP Related Compound C              | VS-A001007 | 172015-79-1  |
| 9     | rel-Abacavir EP Impurity D                   | VS-A001008 | 783292-37-5  |
| 10    | Abacavir EP Impurity E                       | VS-A001009 | 208762-35-0  |
| 11    | Abacavir EP Impurity F                       | VS-A001010 | 1443421-68-8 |
| 12    | Abacavir 2-Hydroxy Impurity                  | VS-A001011 | N/A          |
| 13    | Abacavir Cyclopropyl Diamino Purine Impurity | VS-A001012 | 120503-69-7  |
| 14    | Abacavir Diamino Purine Impurity             | VS-A001013 | 69369-16-0   |
| 15    | Abacavir Carboxylate                         | VS-A001014 | 384380-52-3  |
| 16    | Abacavir 5'-Phosphate                        | VS-A001015 | 136470-77-4  |
| 17    | Abacavir-5'-glucuronide                      | VS-A001016 | 384329-76-4  |
| 18    | Clorabacavir Racemic                         | VS-A001017 | 1918156-05-4 |
| 19    | 3-morpholino-2-cynoacrylamide                | VS-A001018 | 25229-97-4   |
| 20    | 2,Amino,5,nitroso,4,6,pyrimidinediol         | VS-A001019 | 55482-22-9   |
| 21    | Abacavir Diamino Impurity                    | VS-A001020 | N/A          |
| 22    | Abacavir N-Oxide                             | VS-A001021 | 1443421-70-2 |
| 23    | Abacavir Di Nitroso Impurity                 | VS-A001022 | N/A          |
| 24    | Abacavir Impurity 1                          | VS-A001023 | 2022943-79-7 |
| 25    | Abacavir Impurity 4                          | VS-A001024 | N/A          |
| 26    | Abacavir EP Impurity D                       | VS-A001025 | 1443421-67-7 |
| 27    | Abacavir Impurity 6                          | VS-A001026 | N/A          |
| 28    | Abacavir Impurity 7                          | VS-A001027 | 171887-02-8  |
| 29    | Abacavir Impurity 8                          | VS-A001028 | 171887-01-7  |
| 30    | Abacavir Impurity 9                          | VS-A001029 | N/A          |
| 31    | Abacavir Impurity 10                         | VS-A001030 | N/A          |
| 32    | Abacavir Enantiomer                          | VS-A001031 | 783292-37-6  |
| 33    | Abacavir Ethoxy Impurity (HCl)               | VS-A001032 | 2211067-09-1 |
| 34    | 3-Hydroxy Abacavir Impurity                  | VS-A001033 | NA           |
| 35    | Abacavir Methyl ester                        | VS-A001034 | NA           |
| 36    | Abacavir EP Impurity B intermediate          | VS-A001035 | 1817611-10-1 |
| 37    | Abacavir CABS-2 methyl ester                 | VS-A001036 | NA           |
| 38    | Abacavir Nitroso Impurity                    | VS-A001037 | NA           |
| 39    | Abacavir Ethoxy Impurity                     | VS-A001038 | 2211067-08-0 |
| 40    | Abiraterone                                  | VS-A002000 | 154229-19-3  |
| 41    | Abiraterone Acetate                          | VS-A002001 | 154229-18-2  |
| 42    | Abiraterone Ethyl Ether                      | VS-A002002 | 2484719-14-2 |
| 43    | Abiraterone Isopropyl Ether                  | VS-A002003 | 2484719-15-3 |
| 44    | Anhydro Abiraterone                          | VS-A002004 | 154229-20-6  |
| 45    | O-Chlorobutylabiraterone                     | VS-A002005 | 2484719-17-5 |
| 46    | 3-Deoxy-3-acetyl abiraterone-3-ene           | VS-A002006 | N/A          |

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|----|--------------------------------------------------------|------------|--------------|
| 47 | 3-deoxy-3-chloroabiraterone                            | VS-A002007 | N/A          |
| 48 | Alpha-Epoxyabiraterone acetate                         | VS-A002008 | 2484719-11-9 |
| 49 | Beta-Epoxyabiraterone acetate                          | VS-A002009 | 2484719-26-6 |
| 50 | 7-Ketoabiraterone acetate                              | VS-A002010 | 2410075-48-6 |
| 51 | Abiraterone 5-alpha-17-(3-Pyridyl)-16-androstene-3-one | VS-A002011 | 154229-26-2  |
| 52 | Abiraterone Acetate Diastereomer                       | VS-A002012 | 2484719-10-8 |
| 53 | Abiraterone Acetate Dimer                              | VS-A002013 | N/A          |
| 54 | Abiraterone Acetate N-Oxide                            | VS-A002014 | 2517964-85-9 |
| 55 | Abiraterone Acetate-5,6-Epoxy                          | VS-A002015 | N/A          |
| 56 | Abiraterone Dimer Impurity                             | VS-A002016 | 2484719-09-5 |
| 57 | Abiraterone Dimer                                      | VS-A002017 | N/A          |
| 58 | Abiraterone N-Oxide Sulfate Sodium Salt                | VS-A002018 | N/A          |
| 59 | Abiraterone N-Oxide                                    | VS-A002019 | 2378463-76-2 |
| 60 | Abiraterone Prasterone Acetate Triflate                | VS-A002020 | 115375-60-5  |
| 61 | Abiraterone Prasterone Triflate                        | VS-A002021 | 124643-35-2  |
| 62 | Abiraterone Pregnenolone-16-ene Acetate 21-Triflate    | VS-A002022 | 2484719-08-4 |
| 63 | Abiraterone Pregnenolone-16-ene Acetate Oxime          | VS-A002023 | 2174-13-2    |
| 64 | Abiraterone Pregnenolone-16-ene Acetate                | VS-A002024 | 979-02-2     |
| 65 | Abiraterone Sulfate Sodium Salt                        | VS-A002025 | N/A          |
| 66 | Abiraterone-5,6-Epoxy                                  | VS-A002026 | N/A          |
| 67 | Abiraterone Succinate                                  | VS-A002027 | 1629778-77-3 |
| 68 | 3-Keto Abiraterone                                     | VS-A002028 | 154229-21-7  |
| 69 | Abiraterone Trifluoro Pyridine                         | VS-A002029 | 145100-50-1  |
| 70 | Prasterone                                             | VS-A002030 | 53-43-0      |
| 71 | Abiraterone Methyl Ether                               | VS-A002031 | 1470276-23-3 |
| 72 | Abiraterone 3,5 Cyclo Impurity                         | VS-A002032 | N/A          |
| 73 | Abiraterone Propionate                                 | VS-A002033 | 1620323-43-4 |
| 74 | 3 Keto Abiraterone Impurity 1                          | VS-A002034 | 1382474-09-0 |
| 75 | Abiraterone Acetate Reduced Impurity                   | VS-A002035 | 2141996-19-0 |
| 76 | 5,6-Dihydroabiraterone Acetate                         | VS-A002036 | 219843-76-2  |
| 77 | Abiraterone Acetate P-toluene Sulfonyl ester           | VS-A002037 | 1382475-35-5 |
| 78 | Dehydroandrosterone Acetate                            | VS-A002038 | 5223-99-4    |
| 79 | 7-Keto Naturalean                                      | VS-A002039 | 1449-61-2    |
| 80 | 3,5-androstadien-17-one                                | VS-A002040 | 1912-63-6    |
| 81 | 2-(Diethylboryl)pyridine                               | VS-A002041 | 385804-67-1  |
| 82 | 4-(Diethylboranyl)pyridine                             | VS-A002042 | 93830-58-1   |
| 83 | Abiraterone 3-Iodine Impurity                          | VS-A002043 | 1268610-38-3 |
| 84 | Dehydro Androsterone                                   | VS-A002044 | 2283-82-1    |
| 85 | 5-Androsten-3 $\beta$ -ol-17-one ethyleneketal         | VS-A002045 | 7745-40-6    |
| 86 | Androsta-3,5-dien-17-one,3-(acetyloxy)                 | VS-A002046 | 02-05-68     |
| 87 | Androstenone Hydrazone                                 | VS-A002047 | 63015-10-1   |
| 88 | 3-O-Acetylandrostenone Hydrazone                       | VS-A002048 | 122914-94-7  |
| 89 | Abiraterone Acetate N-Acetyl impurity                  | VS-A002049 | 75980-86-8   |
| 90 | Abiraterone Acetate 17-Methyl Impurity                 | VS-A002050 | 23930-63-4   |
| 91 | Di Acetoxy Dimer                                       | VS-A002051 | 1613026-24-6 |
| 92 | Abiraterone Acetate HCl                                | VS-A002052 | 877319-47-6  |
| 93 | Abiraterone Acetate Sulfate                            | VS-A002053 | 877319-48-7  |

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| 94  | Abiraterone HCl                       | VS-A002054 | 1426400-13-6 |
| 95  | Abiraterone Na                        | VS-A002055 | 1613026-22-4 |
| 96  | Abiraterone Sulfate                   | VS-A002056 | 1849617-03-3 |
| 97  | 3-Keto Abiraterone HCl                | VS-A002057 | 2084822-03-5 |
| 98  | 3-Keto Abiraterone HBr                | VS-A002058 | 2084822-05-7 |
| 99  | 3-Keto Abiraterone Sulfate            | VS-A002059 | 2139375-02-1 |
| 100 | Prasterone Sulfate                    | VS-A002060 | 12707-71-0   |
| 101 | Des Iodo Abiraterone                  | VS-A002061 | 1224-94-8    |
| 102 | Abiraterone Alpha Iodo Impurity       | VS-A002062 | N/A          |
| 103 | Prasterone Enanthate                  | VS-A002063 | 23983-43-9   |
| 104 | Abiraterone Impurity 1                | VS-A002064 | 853-23-6     |
| 105 | Abiraterone Impurity 2                | VS-A002065 | N/A          |
| 106 | Abiraterone Impurity 3                | VS-A002066 | N/A          |
| 107 | Abiraterone Impurity 4                | VS-A002067 | 2118-32-3    |
| 108 | Abiraterone Impurity 5                | VS-A002068 | 32138-69-5   |
| 109 | Abiraterone Impurity 6                | VS-A002069 | 2517968-74-8 |
| 110 | Abiraterone Impurity 7                | VS-A002070 | 89878-14-8   |
| 111 | Abiraterone Impurity 8                | VS-A002071 | 1802323-89-2 |
| 112 | Abiraterone Impurity 10               | VS-A002072 | 491873-45-1  |
| 113 | Abiraterone Impurity 11               | VS-A002073 | 70226-84-5   |
| 114 | Abiraterone Impurity 12               | VS-A002074 | 14456-13-4   |
| 115 | Abiraterone Impurity 13               | VS-A002075 | 17921-59-4   |
| 116 | Abiraterone Impurity 14               | VS-A002076 | 98449-11-7   |
| 117 | Abiraterone Impurity 15               | VS-A002077 | 19324-55-1   |
| 118 | Abiraterone Impurity 16               | VS-A002078 | N/A          |
| 119 | Abiraterone Impurity 17               | VS-A002079 | 114611-53-9  |
| 120 | Abiraterone Impurity 18               | VS-A002080 | 603-35-0     |
| 121 | Acalabrutinib                         | VS-A003000 | 1420477-60-6 |
| 122 | Acalabrutinib Impurity 1              | VS-A003001 | 2230757-47-6 |
| 123 | Acalabrutinib Impurity 2              | VS-A003002 | N/A          |
| 124 | Acalabrutinib Impurity 3              | VS-A003003 | N/A          |
| 125 | Acalabrutinib Impurity 4              | VS-A003004 | N/A          |
| 126 | Acalabrutinib Impurity 5              | VS-A003005 | N/A          |
| 127 | Acalabrutinib Impurity 6              | VS-A003006 | N/A          |
| 128 | Acalabrutinib Impurity 7              | VS-A003007 | 2180911-32-2 |
| 129 | Acalabrutinib Impurity 8              | VS-A003008 | 2180911-29-7 |
| 130 | Acalabrutinib Impurity 9              | VS-A003009 | N/A          |
| 131 | Acalabrutinib Impurity 10             | VS-A003010 | N/A          |
| 132 | Acalabrutinib Impurity 11             | VS-A003011 | 2490433-97-9 |
| 133 | Acalabrutinib Impurity 12             | VS-A003012 | N/A          |
| 134 | Acalabrutinib Impurity 13             | VS-A003013 | N/A          |
| 135 | Acalabrutinib Impurity 14             | VS-A003014 | N/A          |
| 136 | Acalabrutinib 8-Hydroxy Impurity      | VS-A003015 | N/A          |
| 137 | Acamprosate                           | VS-A004000 | 77337-76-9   |
| 138 | Acamprosate Calcium                   | VS-A004001 | 77337-73-6   |
| 139 | Acamprosate EP Impurity A             | VS-A004002 | 3687-18-1    |
| 140 | Acamprosate EP Impurity A Sodium salt | VS-A004003 | 14650-46-5   |

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| 141 | Acamprosate EP Impurity A Potassium salt | VS-A004004 | 32091-56-8   |
| 142 | Acamprosate EP Impurity B                | VS-A004005 | 2806206-41-5 |
| 143 | Acamprosate EP Impurity B Calcium salt   | VS-A004006 | N/A          |
| 144 | Acamprosate EP Impurity C                | VS-A004007 | 741659-31-4  |
| 145 | Acamprosate Calcium Impurity C           | VS-A004008 | N/A          |
| 146 | Acamprosate EP Impurity C Calcium salt   | VS-A004009 | 233591-26-9  |
| 147 | Acamprosate Impurity 2                   | VS-A004010 | 107-67-5     |
| 148 | Acarbose                                 | VS-A005000 | 56180-94-0   |
| 149 | Acarbose EP Impurity A                   | VS-A005001 | 1013621-79-8 |
| 150 | Acarbose EP Impurity B                   | VS-A005002 | N/A          |
| 151 | Acarbose EP Impurity C                   | VS-A005003 | 610271-07-3  |
| 152 | Acarbose EP Impurity D                   | VS-A005004 | N/A          |
| 153 | Acarbose EP Impurity E                   | VS-A005005 | N/A          |
| 154 | Acarbose EP Impurity F                   | VS-A005006 | N/A          |
| 155 | Acarbose EP Impurity G                   | VS-A005007 | 1013621-73-2 |
| 156 | Acarbose EP Impurity H                   | VS-A005008 | N/A          |
| 157 | Acebutolol                               | VS-A006000 | 37517-30-9   |
| 158 | Acebutolol Hydrochloride                 | VS-A006001 | 34381-68-5   |
| 159 | Acebutolol EP Impurity A                 | VS-A006002 | 28197-66-2   |
| 160 | Acebutolol EP Impurity B                 | VS-A006003 | 22568-64-5   |
| 161 | Acebutolol EP Impurity B Hydrochloride   | VS-A006004 | 73899-76-0   |
| 162 | Acebutolol EP Impurity C                 | VS-A006005 | 40188-45-2   |
| 163 | Acebutolol EP Impurity C Sodium salt     | VS-A006006 | 96450-07-6   |
| 164 | Acebutolol EP Impurity D                 | VS-A006007 | 57898-80-3   |
| 165 | Acebutolol EP Impurity E                 | VS-A006008 | 27783-53-5   |
| 166 | Acebutolol EP Impurity E Hydrochloride   | VS-A006009 | 1432053-72-9 |
| 167 | Acebutolol EP Impurity F                 | VS-A006010 | 96480-91-0   |
| 168 | Acebutolol EP Impurity G                 | VS-A006011 | 1330165-98-4 |
| 169 | Acebutolol EP Impurity H                 | VS-A006012 | 1329613-31-1 |
| 170 | Acebutolol EP Impurity I                 | VS-A006013 | 441019-91-6  |
| 171 | Acebutolol EP Impurity J                 | VS-A006014 | 28197-36-6   |
| 172 | Acebutolol EP Impurity J Hydrochloride   | VS-A006015 | 57898-79-0   |
| 173 | Acebutolol EP Impurity K                 | VS-A006016 | 74143-33-2   |
| 174 | Acebutolol EP Impurity K Hydrochloride   | VS-A006017 | 57898-71-2   |
| 175 | Aceclofenac                              | VS-A007000 | 89796-99-6   |
| 176 | Aceclofenac EP Impurity A                | VS-A007001 | 15307-86-5   |
| 177 | Aceclofenac EP Impurity B                | VS-A007002 | 15307-78-5   |
| 178 | Aceclofenac EP Impurity C                | VS-A007003 | 15307-77-4   |
| 179 | Aceclofenac EP Impurity D                | VS-A007004 | 139272-66-5  |
| 180 | Aceclofenac EP Impurity E                | VS-A007005 | 139272-67-6  |
| 181 | Aceclofenac EP Impurity F                | VS-A007006 | 100499-89-6  |
| 182 | Aceclofenac EP Impurity G                | VS-A007007 | 1215709-75-3 |
| 183 | Aceclofenac EP Impurity H                | VS-A007008 | 1216495-92-9 |
| 184 | Aceclofenac EP Impurity I                | VS-A007009 | 15362-40-0   |
| 185 | Aceclofenac Tert-Butyl Ester             | VS-A007010 | 139272-68-7  |
| 186 | 4-Hydroxy Aceclofenac                    | VS-A007011 | 229308-90-1  |
| 187 | 2-Butoxy Ethyl Chloro Acetate            | VS-A007012 | 5330-17-6    |

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| 188 | 2-Methyl Propyl Chloro Acetate             | VS-A007013 | 13361-35-8  |
| 189 | Aceclofenac Impurity 1                     | VS-A007014 | 62223-12-5  |
| 190 | Aceclofenac Impurity 2                     | VS-A007015 | 29003-73-4  |
| 191 | Aceclofenac Impurity 3                     | VS-A007016 | 22591-21-5  |
| 192 | Acemetacin                                 | VS-A008000 | 53164-05-9  |
| 193 | Acemetacin Sodium salt                     | VS-A008001 | 75511-28-3  |
| 194 | Acemetacin EP Impurity A                   | VS-A008002 | 74-11-3     |
| 195 | Acemetacin EP Impurity A Sodium salt       | VS-A008003 | 3686-66-6   |
| 196 | Acemetacin EP Impurity A Hydrochloride     | VS-A008004 | 855471-93-1 |
| 197 | Acemetacin EP Impurity B                   | VS-A008005 | 53-86-1     |
| 198 | Acemetacin EP Impurity C                   | VS-A008006 | N/A         |
| 199 | Acemetacin EP Impurity D                   | VS-A008007 | 76812-64-1  |
| 200 | Acemetacin EP Impurity E                   | VS-A008008 | 75302-98-6  |
| 201 | Acemetacin EP Impurity F                   | VS-A008009 | 76812-49-2  |
| 202 | Acesulfame Potassium                       | VS-A009000 | 55589-62-3  |
| 203 | Acesulfame Potassium EP Impurity A         | VS-A009001 | 5977-14-0   |
| 204 | Acesulfame Potassium EP Impurity B         | VS-A009002 | 72827-08-8  |
| 205 | Acetazolamide                              | VS-A010000 | 59-66-5     |
| 206 | Acetazolamide EP Impurity A                | VS-A010001 | 60320-32-3  |
| 207 | Acetazolamide EP Impurity B                | VS-A010002 | 5393-55-5   |
| 208 | Acetazolamide EP Impurity C                | VS-A010003 | 32873-56-6  |
| 209 | Acetazolamide EP Impurity D                | VS-A010004 | 14949-00-9  |
| 210 | Acetazolamide EP Impurity E                | VS-A010005 | 827026-60-8 |
| 211 | Acetazolamide EP Impurity F                | VS-A010006 | 80495-47-2  |
| 212 | Acetazolamide EP Impurity G                | VS-A010007 | 2349-67-9   |
| 213 | Acetazolamide Disulphide Impurity          | VS-A010008 | 99055-56-8  |
| 214 | Acetazolamide Impurity 1                   | VS-A010009 | N/A         |
| 215 | Acetazolamide Impurity 2                   | VS-A010010 | 50608-12-3  |
| 216 | Acetophenone                               | VS-A011000 | 98-86-2     |
| 217 | Acetophenone Hydrochloride                 | VS-A011001 | 86822-18-6  |
| 218 | 2'-Chloroacetophenone                      | VS-A011002 | 2142-68-9   |
| 219 | 2-Hydroxyacetophenone                      | VS-A011003 | 582-24-1    |
| 220 | Acetovanillone                             | VS-A012000 | 498-02-2    |
| 221 | Acetovanillone Sodium salt                 | VS-A012001 | 16522-48-8  |
| 222 | Acetovanillone benzyl ether                | VS-A012002 | 1835-11-6   |
| 223 | 1-Isopropyl-6-methoxyindoline-3,5-diol     | VS-A012003 | N/A         |
| 224 | p-O-Methyl-isoproterenol                   | VS-A012004 | 3413-49-8   |
| 225 | Acetylcysteine                             | VS-A013000 | 616-91-1    |
| 226 | Acetylcysteine Sodium                      | VS-A013001 | 19542-74-6  |
| 227 | Acetylcysteine Hydrochloride               | VS-A013002 | 18829-79-3  |
| 228 | Acetylcysteine EP Impurity A               | VS-A013003 | 56-89-3     |
| 229 | Acetylcysteine EP Impurity A Sodium salt   | VS-A013004 | 16079-53-1  |
| 230 | Acetylcysteine EP Impurity A Hydrochloride | VS-A013005 | 438633-05-7 |
| 231 | Acetylcysteine EP Impurity B               | VS-A013006 | 52-90-4     |
| 232 | Acetylcysteine EP Impurity B Sodium salt   | VS-A013007 | 44521-10-0  |
| 233 | Acetylcysteine EP Impurity B Hydrochloride | VS-A013008 | 52-89-1     |
| 234 | Acetylcysteine EP Impurity C               | VS-A013009 | 5545-17-5   |

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| 235 | Acetylcysteine EP Impurity C Disodium salt          | VS-A013010 | 1376779-04-2 |
| 236 | Acetylcysteine EP Impurity D                        | VS-A013011 | 18725-37-6   |
| 237 | 2-Methyl-2-thiazoline-4-carboxylic acid sodium salt | VS-A013012 | 15058-19-2   |
| 238 | Acetylcysteine Impurity 2                           | VS-A013013 | N/A          |
| 239 | Acetylcysteine Impurity 3                           | VS-A013014 | 282727-77-9  |
| 240 | Acetylcysteine Impurity 4                           | VS-A013015 | 06-04-48     |
| 241 | Acetyltributyl Citrate                              | VS-A014000 | 77-90-7      |
| 242 | Acetyltributyl Citrate Impurity A                   | VS-A014001 | 77-94-1      |
| 243 | Acetyltributyl Citrate Impurity B                   | VS-A014002 | 7568-58-3    |
| 244 | Acetyltributyl Citrate Impurity C                   | VS-A014003 | N/A          |
| 245 | Aciclovir                                           | VS-A015000 | 59277-89-3   |
| 246 | Aciclovir EP Impurity A                             | VS-A015001 | 102728-64-3  |
| 247 | Aciclovir EP Impurity B                             | VS-A015002 | 73-40-5      |
| 248 | Aciclovir EP Impurity C                             | VS-A015003 | 91702-61-3   |
| 249 | Aciclovir EP Impurity F                             | VS-A015004 | 110104-37-5  |
| 250 | Aciclovir EP Impurity G                             | VS-A015005 | 75128-73-3   |
| 251 | Aciclovir EP Impurity I                             | VS-A015006 | 1797832-75-7 |
| 252 | Aciclovir EP Impurity J                             | VS-A015007 | 166762-90-9  |
| 253 | Aciclovir EP Impurity K                             | VS-A015008 | 1797131-64-6 |
| 254 | Aciclovir EP Impurity L                             | VS-A015009 | 3056-33-5    |
| 255 | Aciclovir EP Impurity M                             | VS-A015010 | 91702-60-2   |
| 256 | Aciclovir EP Impurity N                             | VS-A015011 | N/A          |
| 257 | Aciclovir Impurity O                                | VS-A015012 | 2190509-40-9 |
| 258 | Aciclovir EP Impurity P                             | VS-A015013 | 23169-33-7   |
| 259 | Aciclovir EP Impurity Q                             | VS-A015014 | N/A          |
| 260 | Aciclovir EP Impurity R                             | VS-A015015 | N/A          |
| 261 | Acyclovir L-Isoleucinate                            | VS-A015016 | 142963-63-1  |
| 262 | Aciclovir Impurity 1                                | VS-A015017 | 1195518-98-9 |
| 263 | Aciclovir Impurity 2                                | VS-A015018 | 19962-37-9   |
| 264 | Aciclovir Impurity 3                                | VS-A015019 | N/A          |
| 265 | Aciclovir Impurity 4                                | VS-A015020 | 1417988-85-2 |
| 266 | Aciclovir Impurity 5                                | VS-A015021 | N/A          |
| 267 | Aciclovir Impurity 6                                | VS-A015022 | 80685-22-9   |
| 268 | Aciclovir Impurity 7                                | VS-A015023 | N/A          |
| 269 | Acitretin                                           | VS-A016000 | 55079-83-9   |
| 270 | Acitretin Sodium salt                               | VS-A016001 | 925701-88-8  |
| 271 | Acitretin EP Impurity A                             | VS-A016002 | 69427-46-9   |
| 272 | Acitretin EP Impurity B                             | VS-A016003 | 54350-48-0   |
| 273 | Acotiamide                                          | VS-A017000 | 185106-16-5  |
| 274 | Acotiamide Hydrochloride                            | VS-A017001 | 185104-11-4  |
| 275 | Acotiamide 2,4- Dihydroxy Impurity                  | VS-A017002 | 738562-93-1  |
| 276 | Acotiamide 2,5- Dihydroxy Impurity                  | VS-A017003 | N/A          |
| 277 | Acotiamide Impurity 1                               | VS-A017004 | 74936-81-5   |
| 278 | Acotiamide Impurity 5                               | VS-A017005 | 1809272-85-2 |
| 279 | Acotiamide-D6                                       | VS-A017006 | N/A          |
| 280 | Acrivastine                                         | VS-A018000 | 87848-99-5   |
| 281 | Acrivastine Z Isomer                                | VS-A018001 | 1057138-89-2 |

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| 282 | Acrivastine Hydrochloride                               | VS-A018002 | 121807-05-4  |
| 283 | Adamantane                                              | VS-A019000 | 281-23-2     |
| 284 | Adamantan-1-amine hydrochloride                         | VS-A019001 | 665-66-7     |
| 285 | Adamantane EP Impurity A                                | VS-A019002 | 935-56-8     |
| 286 | Adamantane EP Impurity B                                | VS-A019003 | 880-52-4     |
| 287 | Adamantane-2 (1-Nitro-3,5-Dimethyladamantane)           | VS-A019004 | 6588-68-7    |
| 288 | Adamantane-3 (1-Nitro-7-Hydroxy-3,5-dimethyladamantane) | VS-A019005 | 2460757-92-8 |
| 289 | 1-(Chloroacetylamino) Adamantane                        | VS-A019006 | 5689-59-8    |
| 290 | 1-(Hydroxyacetylamino) Adamantane                       | VS-A019007 | 98969-47-2   |
| 291 | 1-(Methoxyacetylamino) Adamantane                       | VS-A019008 | 42536-56-1   |
| 292 | 1-Acetylamino-3,5,7-Trimethyl Adamantane                | VS-A019009 | 15210-64-7   |
| 293 | N-Acetyl Demethyl Memantine                             | VS-A019010 | 778-09-6     |
| 294 | N,N'-(5,7-dimethyl adamantane-1,3-diyl) diacetamide     | VS-A019011 | 14931-70-5   |
| 295 | 5,7-Dimethyladamantane-1,3-diamine                      | VS-A019012 | 19385-96-7   |
| 296 | N-(3-amino-5,7-dimethyl adamantan-1-yl) acetamide       | VS-A019013 | 2512210-35-2 |
| 297 | 1-Methyladamantane                                      | VS-A019014 | 768-91-2     |
| 298 | 1-Amino-3-Adamantanol                                   | VS-A019015 | 702-82-9     |
| 299 | Adamantan-1-ol                                          | VS-A019016 | 768-95-6     |
| 300 | 1-(1-Adamantyl)ethylamine HCl                           | VS-A019017 | 1501-84-4    |
| 301 | 2-Amino Adamantanone                                    | VS-A019018 | N/A          |
| 302 | 2-Hydroxy Adamantane                                    | VS-A019019 | 700-57-2     |
| 303 | Adamantane Impurity 1                                   | VS-A019020 | 53398-55-3   |
| 304 | Adamantane Impurity 2                                   | VS-A019021 | 702-77-2     |
| 305 | Adamantane Impurity 3                                   | VS-A019022 | 878-61-5     |
| 306 | Amantadine                                              | VS-A019023 | 768-94-5     |
| 307 | 1-Adamantanemethanol                                    | VS-A019024 | 770-71-8     |
| 308 | 5,7-Dimethyladamantane-1,3-Diamine Dihydrochloride      | VS-A019025 | 2135877-44-8 |
| 309 | 1-(1-Adamantyl)ethylamine                               | VS-A019026 | 13392-28-4   |
| 310 | Adamantane Impurity 4                                   | VS-A019027 | 21912-23-2   |
| 311 | 1-Bromo-3,5-Dimethyladamantane D6                       | VS-A019028 | 1189429-92-2 |
| 312 | 1,3-Dimethyladamantane D6                               | VS-A019029 | 1189501-17-4 |
| 313 | 1-Azido-3,5-Dimethyladamantane-d6                       | VS-A019030 | 1185104-90-8 |
| 314 | Amantadine D6                                           | VS-A019031 | 1219805-53-4 |
| 315 | 2-Aminoadamantane                                       | VS-A019032 | 13074-39-0   |
| 316 | Adamantane-1,3-diamine                                  | VS-A019033 | 10303-95-4   |
| 317 | 1,3-Di-(acetylamino)adamantane                          | VS-A019034 | 59940-35-1   |
| 318 | 2-Bromoadamantane                                       | VS-A019035 | 7314-85-4    |
| 319 | Dihydroxy Adamantane                                    | VS-A019036 | 28996-06-7   |
| 320 | Adapalene                                               | VS-A020000 | 106685-40-9  |
| 321 | Adapalene EP Impurity A                                 | VS-A020001 | 932033-58-4  |
| 322 | Adapalene EP Impurity B                                 | VS-A020002 | 1346599-76-5 |
| 323 | Adapalene EP Impurity C                                 | VS-A020003 | 43109-77-9   |
| 324 | Adapalene EP Impurity D                                 | VS-A020004 | 932033-57-3  |
| 325 | Adapalene USP Related Compound A                        | VS-A020005 | 33626-98-1   |
| 326 | Adapalene USP Related Compound B                        | VS-A020006 | 106685-41-0  |
| 327 | O-Desmethyl Adapalene                                   | VS-A020007 | 125316-60-1  |
| 328 | 2-(Adamantan-1-yl)-4-bromophenol                        | VS-A020008 | 104224-68-2  |



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| 329 | 2-Hydroxy Adapalene Methyl Ester    | VS-A020009 | N/A          |
| 330 | 2-(1-Adamantyl)-4-bromoaniso        | VS-A020010 | 104224-63-7  |
| 331 | 6-Bromo-2-naphthoic acid            | VS-A020011 | 5773-80-8    |
| 332 | 2-Napthoic acid                     | VS-A020012 | 93-09-4      |
| 333 | Adapalene Impurity 1                | VS-A020013 | 132292-17-2  |
| 334 | Adapalene Impurity 2                | VS-A020014 | 104-92-7     |
| 335 | Adapalene Impurity 3                | VS-A020015 | 128272-36-6  |
| 336 | Adapalene Impurity 4                | VS-A020016 | 106685-43-2  |
| 337 | Adapalene Impurity 5                | VS-A020017 | 161912-38-5  |
| 338 | Adapalene Impurity 6                | VS-A020018 | 107430-57-9  |
| 339 | Adefovir Dipivoxil                  | VS-A021000 | 142340-99-6  |
| 340 | Adefovir Dipivoxil Hydrochloride    | VS-A021001 | 220350-68-5  |
| 341 | Adenosine                           | VS-A022000 | 58-61-7      |
| 342 | Adenosine EP Impurity A             | VS-A022001 | 73-24-5      |
| 343 | Adenosine EP Impurity F             | VS-A022002 | 58-96-8      |
| 344 | Adenosine EP Impurity G             | VS-A022003 | 58-63-9      |
| 345 | Adenosine EP Impurity H             | VS-A022004 | 118-00-3     |
| 346 | 2-Methoxy Adenosine                 | VS-A022005 | 24723-77-1   |
| 347 | 2-Amino-Adenosine                   | VS-A022006 | 08-10-96     |
| 348 | N6-Methyl derivative Adenosine      | VS-A022007 | 765299-55-6  |
| 349 | 9-(b-D-Arabinofuranosyl)guanine     | VS-A022008 | 38819-10-2   |
| 350 | Ademethionine 1,4-Butanedisulfonate | VS-A022009 | 101020-79-5  |
| 351 | S-Adenosyl-L-homocysteine           | VS-A022010 | 979-92-0     |
| 352 | Adiphenine Hydrochloride            | VS-A023000 | 50-42-0      |
| 353 | Adrenaline                          | VS-A024000 | 51-43-4      |
| 354 | Adrenaline EP Impurity B            | VS-A024001 | 51-41-2      |
| 355 | Adrenaline EP Impurity C            | VS-A024002 | 99-45-6      |
| 356 | Adrenaline EP Impurity D            | VS-A024003 | 317351-40-9  |
| 357 | Adrenaline EP Impurity E            | VS-A024004 | 36467-25-1   |
| 358 | Adrenaline EP Impurity F            | VS-A024005 | 78995-75-2   |
| 359 | Adrenaline Impurity F               | VS-A024006 | 26405-77-6   |
| 360 | Adrenaline-methylether              | VS-A024007 | 06-02-47     |
| 361 | Adrenaline Impurity 1               | VS-A024008 | N/A          |
| 362 | Adrenaline Impurity 2               | VS-A024009 | N/A          |
| 363 | D-Adrenaline                        | VS-A024010 | 150-05-0     |
| 364 | Adrenalone Hydrochloride            | VS-A025000 | 62-13-5      |
| 365 | Afatinib                            | VS-A026000 | 850140-72-6  |
| 366 | Afatinib Impurity A                 | VS-A026001 | 402855-07-6  |
| 367 | Afatinib Impurity B                 | VS-A026002 | 314771-76-1  |
| 368 | Afatinib Impurity C                 | VS-A026003 | 945553-91-3  |
| 369 | Afatinib Impurity D                 | VS-A026004 | 1680184-59-1 |
| 370 | Afatinib Impurity E                 | VS-A026005 | N/A          |
| 371 | Afatinib Impurity F                 | VS-A026006 | N/A          |
| 372 | Afatinib Impurity G                 | VS-A026007 | N/A          |
| 373 | Afatinib Impurity H                 | VS-A026008 | N/A          |
| 374 | Afatinib Impurity I                 | VS-A026009 | N/A          |
| 375 | Afatinib Impurity J                 | VS-A026010 | 1456696-14-2 |

|     |                                               |            |              |
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| 376 | Afatinib Impurity K                           | VS-A026011 | N/A          |
| 377 | Afatinib N-Oxide                              | VS-A026012 | N/A          |
| 378 | Afatinib Dimaleate                            | VS-A026013 | 850140-73-7  |
| 379 | Afatinib Sulfonic Acid Analog                 | VS-A026014 | 2283295-16-7 |
| 380 | Afatinib Impurity 32                          | VS-A026015 | 2223677-58-3 |
| 381 | Afatinib Butoxy Analog                        | VS-A026016 | N/A          |
| 382 | Afatinib Impurity 2                           | VS-A026017 | 2475094-95-0 |
| 383 | Afatinib Impurity 3                           | VS-A026018 | 2475094-96-1 |
| 384 | Afatinib Impurity 4                           | VS-A026019 | 2512206-82-3 |
| 385 | Afatinib Impurity 5                           | VS-A026020 | 179552-74-0  |
| 386 | Afatinib Impurity 6                           | VS-A026021 | N/A          |
| 387 | Afatinib Impurity 7                           | VS-A026022 | N/A          |
| 388 | Afatinib Impurity 8                           | VS-A026023 | N/A          |
| 389 | Afatinib Impurity 9                           | VS-A026024 | N/A          |
| 390 | Afatinib Impurity 10                          | VS-A026025 | N/A          |
| 391 | Afatinib Impurity 11                          | VS-A026026 | 2413212-17-4 |
| 392 | Afatinib Impurity 12                          | VS-A026027 | 2121530-37-6 |
| 393 | Afatinib Impurity 13                          | VS-A026028 | 2413212-19-6 |
| 394 | Afatinib Impurity 14                          | VS-A026029 | 2413212-21-0 |
| 395 | Afatinib Impurity 15                          | VS-A026030 | 2413212-23-2 |
| 396 | Afatinib Impurity 16                          | VS-A026031 | N/A          |
| 397 | Afatinib Impurity 17                          | VS-A026032 | N/A          |
| 398 | Afatinib Impurity 18                          | VS-A026033 | 2413212-25-4 |
| 399 | Afatinib Impurity 19                          | VS-A026034 | 1245555-42-3 |
| 400 | Afatinib Impurity 20                          | VS-A026035 | 1957132-02-3 |
| 401 | Afatinib Impurity 21                          | VS-A026036 | 2044709-72-8 |
| 402 | Afatinib Impurity 22                          | VS-A026037 | N/A          |
| 403 | Afatinib Impurity 23                          | VS-A026038 | 2475095-50-0 |
| 404 | Afatinib Impurity 24                          | VS-A026039 | 1255078-56-8 |
| 405 | Afatinib Impurity 25                          | VS-A026040 | 212776-19-7  |
| 406 | Afatinib Impurity 26                          | VS-A026041 | 314771-88-5  |
| 407 | Afatinib Impurity 27                          | VS-A026042 | 618061-76-0  |
| 408 | Afatinib Impurity 28                          | VS-A026043 | N/A          |
| 409 | Afatinib Impurity 29                          | VS-A026044 | N/A          |
| 410 | Afatinib Impurity 30                          | VS-A026045 | 501332-25-8  |
| 411 | Afatinib Impurity 31                          | VS-A026046 | 2223677-58-3 |
| 412 | Afatinib Impurity-I (Cyclized impurity)       | VS-A026047 | NA           |
| 413 | Afatinib Impurity-II (Formyl impurity)        | VS-A026048 | NA           |
| 414 | Afatinib Impurity-III (Stage-II intermediate) | VS-A026049 | NA           |
| 415 | Afatinib Impurity-V (Hydroxy impurity)        | VS-A026050 | NA           |
| 416 | Afatinib Impurity-VI (Difluoro impurity)      | VS-A026051 | NA           |
| 417 | Afatinib Impurity-VII (Dichloro impurity)     | VS-A026052 | NA           |
| 418 | Afatinib Impurity-VIII (Crotonamide impurity) | VS-A026053 | NA           |
| 419 | Afatinib Impurity-IX (Dimer impurity)         | VS-A026054 | NA           |
| 420 | Afatinib Impurity-X (DMA impurity)            | VS-A026055 | NA           |
| 421 | Afatinib Impurity-IV (KSM-III)                | VS-A026056 | NA           |
| 422 | Afatinib R-Isomer                             | VS-A026057 | NA           |

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| 423 | Afatinib D6                        | VS-A026058 | NA           |
| 424 | Agomelatine                        | VS-A027000 | 138112-76-2  |
| 425 | Agomelatine Impurity A             | VS-A027001 | 1607465-49-5 |
| 426 | Agomelatine Impurity B             | VS-A027002 | 22009-38-7   |
| 427 | Agomelatine Impurity C             | VS-A027003 | 1607465-50-8 |
| 428 | Agomelatine Impurity E             | VS-A027004 | 1607465-48-4 |
| 429 | N-Deacetyl-N-Formyl Agomelatine    | VS-A027005 | 138113-05-0  |
| 430 | 7-Methoxy-1-tetralone              | VS-A027006 | 6836-19-7    |
| 431 | 3-(4-Methoxybenzoyl)propionic acid | VS-A027007 | 3153-44-4    |
| 432 | 4-(4-methoxyphenyl)butanoic acid   | VS-A027008 | 4521-28-2    |
| 433 | 7-Methoxy-1-naphthylacetonitrile   | VS-A027009 | 138113-08-3  |
| 434 | Agomelatine Impurity 1             | VS-A027010 | N/A          |
| 435 | Agomelatine Impurity 2             | VS-A027011 | 178677-39-9  |
| 436 | Agomelatine Impurity 3             | VS-A027012 | 1385018-58-5 |
| 437 | Agomelatine Impurity 4             | VS-A027013 | 185421-27-6  |
| 438 | Agomelatine Impurity 5             | VS-A027014 | 139525-77-2  |
| 439 | Agomelatine Impurity 6             | VS-A027015 | 138113-07-2  |
| 440 | Agomelatine Impurity 7             | VS-A027016 | 1379005-34-1 |
| 441 | Agomelatine Impurity 8             | VS-A027017 | 152302-45-9  |
| 442 | Agomelatine Impurity 9             | VS-A027018 | 166527-00-0  |
| 443 | Agomelatine Impurity 10            | VS-A027019 | 144705-51-1  |
| 444 | Agomelatine Impurity 11            | VS-A027020 | 166526-99-4  |
| 445 | Agomelatine Impurity 12            | VS-A027021 | 1371535-56-6 |
| 446 | Agomelatine Impurity 13            | VS-A027022 | 6836-20-0    |
| 447 | Agomelatine Impurity 14            | VS-A027023 | 63319-95-9   |
| 448 | Agomelatine Impurity 15            | VS-A027024 | 1385018-57-4 |
| 449 | Agomelatine-d3                     | VS-A027025 | 1079389-38-0 |
| 450 | Agomelatine D6                     | VS-A027026 | 1079389-42-6 |
| 451 | Albendazole                        | VS-A028000 | 54965-21-8   |
| 452 | Albendazole EP Impurity A          | VS-A028001 | 80983-36-4   |
| 453 | Albendazole EP Impurity B          | VS-A028002 | 54029-12-8   |
| 454 | Albendazole EP Impurity C          | VS-A028003 | 75184-71-3   |
| 455 | Albendazole EP Impurity D          | VS-A028004 | 80983-34-2   |
| 456 | Albendazole EP Impurity E          | VS-A028005 | 10605-21-7   |
| 457 | Albendazole EP Impurity F          | VS-A028006 | 80983-45-5   |
| 458 | Albendazole EP Impurity G          | VS-A028007 | 20367-38-8   |
| 459 | Albendazole EP Impurity K          | VS-A028008 | 139751-05-6  |
| 460 | Albendazole EP Impurity H          | VS-A028009 | 2469260-71-5 |
| 461 | Albendazole EP Impurity I          | VS-A028010 | 20559-55-1   |
| 462 | Albendazole EP Impurity J          | VS-A028011 | 946498-41-5  |
| 463 | Albendazole EP Impurity L          | VS-A028012 | 108579-67-5  |
| 464 | Albendazole Chlorosulfonyl Analog  | VS-A028013 | 79213-74-4   |
| 465 | Albendazole Mercapto Analog        | VS-A028014 | 79213-76-6   |
| 466 | Albendazole Impurity 1 DiHCl       | VS-A028015 | 2089381-52-0 |
| 467 | Albendazole Impurity 2             | VS-A028016 | 2533019-99-5 |
| 468 | Albendazole Impurity 3             | VS-A028017 | 54393-89-4   |
| 469 | Albendazole Impurity 4             | VS-A028018 | 88-74-4      |

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| 470 | Albendazole Impurity 5              | VS-A028019 | 54029-45-7   |
| 471 | Albendazole Impurity 6              | VS-A028020 | 156-62-7     |
| 472 | Albendazole Impurity 7              | VS-A028021 | 51234-98-1   |
| 473 | Albendazole Impurity 8              | VS-A028022 | 96-96-8      |
| 474 | Albendazole D3                      | VS-A028023 | 1353867-92-1 |
| 475 | Albuterol Sulfate                   | VS-A029000 | N/A          |
| 476 | Salbutamol                          | VS-A029001 | 18559-94-9   |
| 477 | Salbutamol Sulfate                  | VS-A029002 | 51022-70-9   |
| 478 | Salbutamol EP Impurity A            | VS-A029003 | 870076-72-5  |
| 479 | Salbutamol EP Impurity B            | VS-A029004 | 96948-64-0   |
| 480 | Salbutamol EP Impurity C            | VS-A029005 | 18910-68-4   |
| 481 | Salbutamol EP Impurity C Sulphate   | VS-A029006 | 1956308-05-6 |
| 482 | Salbutamol EP Impurity D            | VS-A029007 | 156339-88-7  |
| 483 | Salbutamol EP Impurity E            | VS-A029008 | 24085-03-8   |
| 484 | Salbutamol EP Impurity F            | VS-A029009 | 147663-30-7  |
| 485 | Salbutamol EP Impurity G            | VS-A029010 | 64092-10-0   |
| 486 | Salbutamol EP Impurity H            | VS-A029011 | 132183-64-3  |
| 487 | Salbutamol EP Impurity I            | VS-A029012 | 56796-66-8   |
| 488 | Salbutamol EP Impurity J            | VS-A029013 | 41489-89-8   |
| 489 | Salbutamol EP Impurity K            | VS-A029014 | 898542-80-8  |
| 490 | Salbutamol EP Impurity L            | VS-A029015 | N/A          |
| 491 | Salbutamol EP Impurity M            | VS-A029016 | 18910-70-8   |
| 492 | Salbutamol EP Impurity N            | VS-A029017 | 149222-15-1  |
| 493 | Salbutamol Impurity F               | VS-A029018 | N/A          |
| 494 | Salbutamol Impurity O               | VS-A029019 | N/A          |
| 495 | Salbutamol Impurity P               | VS-A029020 | N/A          |
| 496 | Levalbuterol Related Compound E HCl | VS-A029021 | 69716-64-9   |
| 497 | (R)-Salbutamol ((R)-Albuterol HCl)  | VS-A029022 | N/A          |
| 498 | (S)- Salbutamol ((S)-Albuterol)     | VS-A029023 | 50293-91-9   |
| 499 | 5-Hydroxy Salbutamol                | VS-A029024 | 182676-90-0  |
| 500 | Salbutamol Ethyl Ether              | VS-A029025 | 1221742-55-7 |
| 501 | Salbutamol Diethyl Ether            | VS-A029026 | 1221726-71-1 |
| 502 | Salbutamol Glyoxal Impurity         | VS-A029027 | N/A          |
| 503 | Salbutamol Related Compound 1       | VS-A029028 | 156339-89-8  |
| 504 | Salbutamol Related Compound 2       | VS-A029029 | 51234-21-0   |
| 505 | Salbutamol Related Compound 3       | VS-A029030 | 54030-32-9   |
| 506 | Salbutamol Impurity 1               | VS-A029031 | N/A          |
| 507 | Salbutamol Impurity 2               | VS-A029032 | N/A          |
| 508 | Salbutamol Impurity 3               | VS-A029033 | N/A          |
| 509 | Alcaftadine                         | VS-A030000 | 147084-10-4  |
| 510 | Alcaftadine N-Demethylated          | VS-A030001 | N/A          |
| 511 | Alcaftadine Acid N-Demethylated     | VS-A030002 | 2489184-17-8 |
| 512 | Alcaftadine Acid                    | VS-A030003 | 147083-93-0  |
| 513 | Alcaftadine N-Oxide                 | VS-A030004 | 952649-75-1  |
| 514 | Alcaftadine diol Impurity           | VS-A030005 | 147083-92-9  |
| 515 | Alcaftadine Dialdehyde              | VS-A030006 | N/A          |
| 516 | Alcaftadine Metabolite 7            | VS-A030007 | 147582-55-6  |

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| 517 | Alcaftadine Impurity 1                        | VS-A030008 | 147064-11-7  |
| 518 | Alcaftadine Impurity 2                        | VS-A030009 | 1935692-44-6 |
| 519 | Alcaftadine Impurity 3                        | VS-A030010 | 147083-36-1  |
| 520 | Alcaftadine Impurity 4                        | VS-A030011 | 147083-89-4  |
| 521 | Alcaftadine Impurity 5                        | VS-A030012 | 147082-78-8  |
| 522 | Alcaftadine Impurity 6                        | VS-A030013 | 49823-14-5   |
| 523 | Alcaftadine-d3                                | VS-A030014 | 1794775-80-6 |
| 524 | Alclometasone Dipropionate                    | VS-A031000 | 66734-13-2   |
| 525 | Alclometasone Dipropionate Related Compound A | VS-A031001 | 71868-53-6   |
| 526 | Alectinib                                     | VS-A032000 | 1256580-46-7 |
| 527 | Alectinib Morpholine Nitrogen N-oxide         | VS-A032001 | 1256585-28-0 |
| 528 | Alectinib Impurity 1                          | VS-A032002 | N/A          |
| 529 | Alectinib Oxidation Impurity                  | VS-A032003 | N/A          |
| 530 | Alectinib Acid Impurity                       | VS-A032004 | 1256584-78-7 |
| 531 | Alectinib De-carboxylate Impurity             | VS-A032005 | 1820882-01-6 |
| 532 | Alectinib Morpholine butyl ester Impurity     | VS-A032006 | 1256584-77-6 |
| 533 | Alendronate                                   | VS-A033000 | 66376-36-1   |
| 534 | Sodium Alendronate Monohydrate                | VS-A033001 | 260055-05-8  |
| 535 | Alendronate EP Impurity A                     | VS-A033002 | 56-12-2      |
| 536 | Alendronate EP Impurity B                     | VS-A033003 | 14265-44-2   |
| 537 | Alendronate EP Impurity C                     | VS-A033004 | 14901-63-4   |
| 538 | Alendronic Acid Impurity 2                    | VS-A033005 | 73858-59-0   |
| 539 | Alendronic Acid Dimeric Anhydride             | VS-A033006 | 165043-20-9  |
| 540 | Alendronic Acid Related Impurity 2            | VS-A033007 | 165043-19-6  |
| 541 | Alfacalcidol                                  | VS-A034000 | 41294-56-8   |
| 542 | Alfacalcidol EP Impurity A                    | VS-A034001 | 65445-14-9   |
| 543 | Alfacalcidol EP Impurity B                    | VS-A034002 | 63181-13-5   |
| 544 | Alfacalcidol EP Impurity C                    | VS-A034003 | N/A          |
| 545 | Alfuzosin HCl                                 | VS-A035000 | 81403-68-1   |
| 546 | Alfuzosin EP Impurity A                       | VS-A035001 | 98902-29-5   |
| 547 | Alfuzosin EP Impurity B                       | VS-A035002 | 23680-84-4   |
| 548 | Alfuzosin EP Impurity C                       | VS-A035003 | 72104-34-8   |
| 549 | Alfuzosin EP Impurity D                       | VS-A035004 | 81403-69-2   |
| 550 | Alfuzosin EP Impurity E                       | VS-A035005 | 1796934-51-4 |
| 551 | Alfuzosin EP Impurity F                       | VS-A035006 | 19216-68-3   |
| 552 | Alfuzosin EP Impurity G                       | VS-A035007 | 928780-95-4  |
| 553 | 2-Tetrahydrofuroic Acid                       | VS-A035008 | 16874-33-2   |
| 554 | Alfuzosin Impurity 2                          | VS-A035009 | N/A          |
| 555 | Alfuzosin Impurity 3                          | VS-A035010 | 1250263-67-2 |
| 556 | Methyl 5-acetyl-2-(benzyloxy)benzoate         | VS-A035011 | 1026411-59-5 |
| 557 | Alfuzosin Impurity D                          | VS-A035012 | 76362-29-3   |
| 558 | Alfuzosin D6                                  | VS-A035013 | 1006717-31-2 |
| 559 | Algestone                                     | VS-A036000 | 595-77-7     |
| 560 | Algestone Acetonide                           | VS-A036001 | 06-09-68     |
| 561 | Algestone Acetophenide                        | VS-A036002 | 24356-94-3   |
| 562 | Delta-14-acetophenide Dihydroxyprogesterone   | VS-A036003 | N/A          |
| 563 | 16-Dehydropregnenolone                        | VS-A036004 | 1162-53-4    |

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| 564 | Alimemazine Hemitartrate                      | VS-A037000 | 4330-99-8    |
| 565 | Alimemazine Hemitartrate EP Impurity A        | VS-A037001 | 10071-07-5   |
| 566 | Alimemazine Hemitartrate EP Impurity B        | VS-A037002 | 22732-04-3   |
| 567 | Alimemazine Hemitartrate EP Impurity C        | VS-A037003 | 92-84-2      |
| 568 | Alimemazine Hemitartrate Dimer Impurity       | VS-A037004 | N/A          |
| 569 | Allopurinol                                   | VS-A038000 | 315-30-0     |
| 570 | Allopurinol EP Impurity A                     | VS-A038001 | 27511-79-1   |
| 571 | Allopurinol EP Impurity B                     | VS-A038002 | 22407-20-1   |
| 572 | Allopurinol EP Impurity C                     | VS-A038003 | 1346604-13-4 |
| 573 | Allopurinol EP Impurity D                     | VS-A038004 | 6994-25-8    |
| 574 | Allopurinol EP Impurity E                     | VS-A038005 | 31055-19-3   |
| 575 | Allopurinol EP Impurity F                     | VS-A038006 | 302-01-2     |
| 576 | Allopurinol Nitrile Impurity                  | VS-A038007 | 16617-46-2   |
| 577 | Allopurinol Related Compound F                | VS-A038008 | 321571-07-7  |
| 578 | Allopurinol USP Related Compound F            | VS-A038009 | N/A          |
| 579 | Allopurinol Impurity 1                        | VS-A038010 | N/A          |
| 580 | Allopurinol Impurity F (Hydrate)              | VS-A038011 | 10217-52-4   |
| 581 | Allylestrenol                                 | VS-A039000 | 432-60-0     |
| 582 | Allylestrenol Impurity A                      | VS-A039001 | 3646-28-4    |
| 583 | Allylestrenol Impurity B                      | VS-A039002 | N/A          |
| 584 | Almotriptan                                   | VS-A040000 | 154323-57-6  |
| 585 | Almotriptan HCl                               | VS-A040001 | 154323-46-3  |
| 586 | Almotriptan EP Impurity A                     | VS-A040002 | 334981-12-3  |
| 587 | Almotriptan EP Impurity A (HCl)               | VS-A040003 | 154323-50-9  |
| 588 | Almotriptan EP Impurity B                     | VS-A040004 | 1330166-13-6 |
| 589 | Almotriptan EP Impurity C                     | VS-A040005 | 1018676-02-2 |
| 590 | Almotriptan EP Impurity D                     | VS-A040006 | 181178-24-5  |
| 591 | Almotriptan EP Impurity E                     | VS-A040007 | 603137-43-5  |
| 592 | Almotriptan EP Impurity E (HCl)               | VS-A040008 | 1391054-49-1 |
| 593 | Almotriptan EP Impurity F                     | VS-A040009 | N/A          |
| 594 | Almotriptan N-Dimer                           | VS-A040010 | N/A          |
| 595 | Almotriptan N-Hydroxy Methyl Impurity         | VS-A040011 | N/A          |
| 596 | Almotriptan N-Isopropyl Impurity              | VS-A040012 | N/A          |
| 597 | Spiro Almotriptan                             | VS-A040013 | 1309457-18-8 |
| 598 | 2-Hydroxyalmotriptan                          | VS-A040014 | 1309457-19-9 |
| 599 | Almotriptan Aniline Precursor                 | VS-A040015 | 334981-10-1  |
| 600 | Almotriptan Hydrazine Precursor               | VS-A040016 | 334981-11-2  |
| 601 | Almotriptan Tetrahydro Indole Impurity        | VS-A040017 | 334981-14-5  |
| 602 | Almotriptan Methyl Tetrahydro Indole Impurity | VS-A040018 | 334981-31-6  |
| 603 | Almotriptan Impurity 1                        | VS-A040019 | 2387405-44-7 |
| 604 | Almotriptan Nitroso Impurity 1                | VS-A040020 | NA           |
| 605 | N-Nitroso Spiro Almotriptan                   | VS-A040021 | NA           |
| 606 | N-Nitroso Almotriptan EP Impurity A           | VS-A040022 | NA           |
| 607 | Alogliptin Benzoate                           | VS-A041000 | 850649-62-6  |
| 608 | Alogliptin Impurity A                         | VS-A041001 | 1638544-63-4 |
| 609 | Alogliptin Impurity B                         | VS-A041002 | 1638544-59-8 |
| 610 | Alogliptin Impurity C                         | VS-A041003 | 4316-23-8    |

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| 611 | Alogliptin Impurity D                   | VS-A041004 | 1573118-32-7 |
| 612 | Alogliptin Impurity E                   | VS-A041005 | 1638544-56-5 |
| 613 | Alogliptin Impurity F                   | VS-A041006 | 1638544-55-4 |
| 614 | Alogliptin Benzoate Dimer Impurity      | VS-A041007 | 1268836-55-0 |
| 615 | Alogliptin N-Acetylated Metabolite M-II | VS-A041008 | N/A          |
| 616 | 3-Amino Piperidine impurity             | VS-A041009 | 54012-73-6   |
| 617 | 2,4,6-Trichloro Pyrimidine              | VS-A041010 | 3764-01-0    |
| 618 | Alogliptin Hydroxy Impurity             | VS-A041011 | N/A          |
| 619 | (R)-piperidin-3-amine dihydrochloride   | VS-A041012 | 334618-23-4  |
| 620 | (S)-Alogliptin Benzoate Salt            | VS-A041013 | 1638544-64-5 |
| 621 | Alogliptin Impurity 1                   | VS-A041014 | N/A          |
| 622 | Alogliptin Impurity 2                   | VS-A041015 | N/A          |
| 623 | Alogliptin Impurity 5                   | VS-A041016 | 1338677-76-1 |
| 624 | Alogliptin Impurity 6                   | VS-A041017 | N/A          |
| 625 | Alogliptin Impurity 7                   | VS-A041018 | N/A          |
| 626 | Alogliptin Impurity 8                   | VS-A041019 | N/A          |
| 627 | Alogliptin Impurity 9                   | VS-A041020 | N/A          |
| 628 | Alogliptin Impurity 10                  | VS-A041021 | N/A          |
| 629 | Alogliptin Impurity 11                  | VS-A041022 | 1618644-32-8 |
| 630 | Alogliptin Impurity 12                  | VS-A041023 | 2089611-85-6 |
| 631 | Alogliptin Impurity 13                  | VS-A041024 | 865758-98-1  |
| 632 | Alogliptin Impurity 14                  | VS-A041025 | 1820685-30-0 |
| 633 | Alogliptin Impurity 15                  | VS-A041026 | 1108731-49-2 |
| 634 | Alogliptin Impurity 16                  | VS-A041027 | N/A          |
| 635 | Alogliptin Impurity 17                  | VS-A041028 | N/A          |
| 636 | Alogliptin Impurity 18                  | VS-A041029 | 1430222-09-5 |
| 637 | Alogliptin Impurity 19                  | VS-A041030 | N/A          |
| 638 | Alogliptin Impurity 20                  | VS-A041031 | 2514763-78-9 |
| 639 | Alogliptin Impurity 21                  | VS-A041032 | N/A          |
| 640 | Alogliptin Impurity 22                  | VS-A041033 | 655-63-0     |
| 641 | Alogliptin Impurity 23                  | VS-A041034 | 1618644-29-3 |
| 642 | Alogliptin Impurity 24                  | VS-A041035 | 1430222-06-2 |
| 643 | Alogliptin Impurity 25                  | VS-A041036 | 1246610-72-9 |
| 644 | Alogliptin Impurity 26                  | VS-A041037 | 865759-10-0  |
| 645 | Alogliptin Impurity 27                  | VS-A041038 | 865758-95-8  |
| 646 | Alogliptin Impurity 28                  | VS-A041039 | 865758-96-9  |
| 647 | Alogliptin Impurity 29                  | VS-A041040 | 1246610-74-1 |
| 648 | Alogliptin Impurity 30                  | VS-A041041 | 2276316-91-5 |
| 649 | Alogliptin Impurity 31                  | VS-A041042 | N/A          |
| 650 | Alogliptin Impurity 32                  | VS-A041043 | N/A          |
| 651 | Alogliptin Impurity 33                  | VS-A041044 | 2565-47-1    |
| 652 | Alogliptin Impurity 34                  | VS-A041045 | 7115-89-1    |
| 653 | Alogliptin Impurity 35                  | VS-A041046 | 872414-52-3  |
| 654 | Alogliptin Impurity 36                  | VS-A041047 | N/A          |
| 655 | Alogliptin Impurity 37                  | VS-A041048 | 859850-90-1  |
| 656 | N-(1-nitrosopiperidin-3-yl)acetamide    | VS-A041049 | N/A          |
| 657 | (R)-Piperidin-3-amine                   | VS-A041050 | 127294-73-9  |

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| 658 | 3-(bromomethyl) benzamide      | VS-A041051 | 509073-67-0  |
| 659 | 4-(bromomethyl) benzamide      | VS-A041052 | 58914-40-2   |
| 660 | Alpelisib                      | VS-A042000 | 1217486-61-7 |
| 661 | Alpelisib Hydrochloride        | VS-A042001 | 1584128-91-5 |
| 662 | Alprostadil                    | VS-A043000 | 745-65-3     |
| 663 | Alprostadil EP Impurity A      | VS-A043001 | 14152-28-4   |
| 664 | Alprostadil EP Impurity B      | VS-A043002 | 13345-51-2   |
| 665 | Alprostadil EP Impurity C      | VS-A043003 | 22973-19-9   |
| 666 | Alprostadil EP Impurity D      | VS-A043004 | 20897-91-0   |
| 667 | Alprostadil EP Impurity E      | VS-A043005 | 24570-01-2   |
| 668 | Alprostadil EP Impurity F      | VS-A043006 | 21003-46-3   |
| 669 | Alprostadil EP Impurity G      | VS-A043007 | 363-24-6     |
| 670 | Alprostadil EP Impurity H      | VS-A043008 | 36150-00-2   |
| 671 | Alprostadil EP Impurity I      | VS-A043009 | 35900-16-4   |
| 672 | Alprostadil EP Impurity J      | VS-A043010 | N/A          |
| 673 | Alprostadil EP Impurity K      | VS-A043011 | 791-28-6     |
| 674 | Altizide                       | VS-A044000 | 5588-16-9    |
| 675 | Altizide EP Impurity A         | VS-A044001 | 121-30-2     |
| 676 | Altizide EP Impurity B         | VS-A044002 | 84522-35-0   |
| 677 | Altizide Impurity 1            | VS-A044003 | 1083-36-9    |
| 678 | Alverine                       | VS-A045000 | 150-59-4     |
| 679 | Alverine EP Impurity A         | VS-A045001 | 104-52-9     |
| 680 | Alverine EP Impurity B         | VS-A045002 | 122-97-4     |
| 681 | Alverine EP Impurity C         | VS-A045003 | 13125-62-7   |
| 682 | Alverine EP Impurity D         | VS-A045004 | N/A          |
| 683 | Alverine EP Impurity E         | VS-A045005 | 408309-07-9  |
| 684 | 4-Hydroxy Alverine Glucuronide | VS-A045006 | N/A          |
| 685 | 4-Hydroxy Alverine             | VS-A045007 | 142047-94-7  |
| 686 | N-Desethyl Alverine HCl        | VS-A045008 | 93948-20-0   |
| 687 | Alverine Impurity 1            | VS-A045009 | 7492-40-2    |
| 688 | Alverine Impurity 2            | VS-A045010 | 3360-41-6    |
| 689 | Alverine Impurity 3            | VS-A045011 | 2344-70-9    |
| 690 | Alverine Impurity 4            | VS-A045012 | 6962-92-1    |
| 691 | Alverine D5 Citrate            | VS-A045013 | 1215327-00-6 |
| 692 | 4-Hydroxy Alverine D5          | VS-A045014 | 1216415-67-6 |
| 693 | Alvimopan                      | VS-A046000 | 156053-89-3  |
| 694 | Alvimopan Sulfate              | VS-A046001 | N/A          |
| 695 | Alvimopan Acyl Glucuronide     | VS-A046002 | 1260616-95-2 |
| 696 | Alvimopan Impurity 1           | VS-A046003 | 170098-42-7  |
| 697 | Alvimopan Impurity 2           | VS-A046004 | N/A          |
| 698 | Alvimopan Impurity 3           | VS-A046005 | N/A          |
| 699 | Alvimopan Impurity 4           | VS-A046006 | N/A          |
| 700 | Alvimopan Impurity 5           | VS-A046007 | N/A          |
| 701 | Alvimopan Impurity 6           | VS-A046008 | 1420776-96-0 |
| 702 | Alvimopan Impurity 7           | VS-A046009 | 170098-29-0  |
| 703 | Alvimopan Impurity 8           | VS-A046010 | 660848-91-9  |
| 704 | Alvimopan Impurity 9           | VS-A046011 | N/A          |



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| 705 | Alvimopan Impurity 10                        | VS-A046012 | N/A          |
| 706 | Alvimopan Impurity 11                        | VS-A046013 | 2250243-53-7 |
| 707 | Alvimopan Impurity 12                        | VS-A046014 | 59381-63-4   |
| 708 | Alvimopan Impurity 13                        | VS-A046015 | 2165896-76-2 |
| 709 | Alvimopan Impurity 14                        | VS-A046016 | 76932-18-8   |
| 710 | Alvimopan Impurity 15                        | VS-A046017 | 156130-41-5  |
| 711 | Alvimopan Impurity 16                        | VS-A046018 | N/A          |
| 712 | Alvimopan Impurity 17                        | VS-A046019 | N/A          |
| 713 | Alvimopan Impurity 18                        | VS-A046020 | 145340-45-0  |
| 714 | Alvimopan Impurity 19                        | VS-A046021 | 1314751-85-3 |
| 715 | Alvimopan Impurity 20                        | VS-A046022 | 1314751-83-1 |
| 716 | Alvimopan Impurity 21                        | VS-A046023 | 660848-81-7  |
| 717 | Alvimopan Impurity 22                        | VS-A046024 | 1852472-89-9 |
| 718 | Alvimopan Impurity 23                        | VS-A046025 | 1314751-81-9 |
| 719 | Alvimopan Impurity 24                        | VS-A046026 | 1237735-54-4 |
| 720 | Alvimopan Impurity 25                        | VS-A046027 | 2184736-45-4 |
| 721 | Alvimopan Impurity 27                        | VS-A046028 | 119193-19-0  |
| 722 | Alvimopan Impurity 28                        | VS-A046029 | 145678-87-1  |
| 723 | Alvimopan Impurity 29                        | VS-A046030 | N/A          |
| 724 | Alvimopan-d5                                 | VS-A046031 | 1217616-62-0 |
| 725 | Ambrisentan                                  | VS-A047000 | 177036-94-1  |
| 726 | Ambrisentan (R)-Isomer                       | VS-A047001 | 1007358-76-0 |
| 727 | Ambrisentan 4-Hydroxymethyl Analog           | VS-A047002 | 1106685-66-8 |
| 728 | Ambrisentan 4-Hydroxymethyl Analog Racemate  | VS-A047003 | 1106685-84-0 |
| 729 | Ambrisentan Racemate                         | VS-A047004 | 713516-99-5  |
| 730 | Ambrisentan Ethyl Ester                      | VS-A047005 | 1349854-31-4 |
| 731 | Ambrisentan Ethyl Ester Racemate             | VS-A047006 | N/A          |
| 732 | Ambrisentan Methyl Ester                     | VS-A047007 | 1106685-61-3 |
| 733 | Ambrisentan Methyl Ester Racemate            | VS-A047008 | 1240470-84-1 |
| 734 | Ambrisentan Vinyloxy Impurity                | VS-A047009 | 1639429-81-4 |
| 735 | Ambrisentan Hydroxy Acid Impurity            | VS-A047010 | 178306-49-5  |
| 736 | Ambrisentan Impurity E                       | VS-A047011 | 1312092-82-2 |
| 737 | Ambrisentan Hydroxy Acid Impurity (S-isomer) | VS-A047012 | 178306-52-0  |
| 738 | Ambrisentan Hydroxyester Impurity            | VS-A047013 | 177036-78-1  |
| 739 | Ambrisentan pyrimidine Ester Impurity        | VS-A047014 | N/A          |
| 740 | Ambrisentan N-Oxide                          | VS-A047015 | N/A          |
| 741 | Ambrisentan Epoxide                          | VS-A047016 | 76527-25-8   |
| 742 | Ambrisentan Impurity 1                       | VS-A047017 | 178306-51-9  |
| 743 | Ambrisentan Impurity 2                       | VS-A047018 | 947-91-1     |
| 744 | Ambrisentan D3                               | VS-A047019 | 1046116-26-0 |
| 745 | Ambroxol                                     | VS-A048000 | 18683-91-5   |
| 746 | Ambroxol HCl                                 | VS-A048001 | 23828-92-4   |
| 747 | Ambroxol Monobromine                         | VS-A048002 | N/A          |
| 748 | Ambroxol Acid Metabolite                     | VS-A048003 | 609-85-8     |
| 749 | Ambroxol Didesbromo Impurity                 | VS-A048004 | 46727-91-7   |
| 750 | Ambroxol EP Impurity A                       | VS-A048005 | 50739-76-9   |
| 751 | Ambroxol EP Impurity B                       | VS-A048006 | 18683-95-9   |

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| 752 | Ambroxol EP Impurity C                                   | VS-A048007 | 50910-53-7   |
| 753 | Ambroxol EP Impurity D (HCl)                             | VS-A048008 | 1384955-66-1 |
| 754 | Ambroxol EP Impurity E                                   | VS-A048009 | 50910-55-9   |
| 755 | Cis-4-Aminocyclohexanol Hydrochloride                    | VS-A048010 | 56239-26-0   |
| 756 | Trans-4-Aminocyclohexanol Hydrochloride                  | VS-A048011 | 50910-54-8   |
| 757 | Ambroxol Cycloimine Impurity                             | VS-A048012 | 2088879-81-4 |
| 758 | Ambroxol Impurity                                        | VS-A048013 | N/A          |
| 759 | Ambroxol Impurity 2                                      | VS-A048014 | 1445719-53-8 |
| 760 | Ambroxol Impurity 3                                      | VS-A048015 | 1332582-28-1 |
| 761 | Ambroxol Impurity 4                                      | VS-A048016 | N/A          |
| 762 | Ambroxol Impurity 5                                      | VS-A048017 | N/A          |
| 763 | Ambroxol EP Impurity B (HCl)                             | VS-A048018 | 15942-08-2   |
| 764 | N-Nitroso-Ambroxol                                       | VS-A048019 | N/A          |
| 765 | Ambroxol EP Impurity D                                   | VS-A048020 | 107814-37-9  |
| 766 | Amfenac                                                  | VS-A049000 | 61941-56-8   |
| 767 | Amifampridine                                            | VS-A050000 | 54-96-6      |
| 768 | Amifampridine Impurity A                                 | VS-A050001 | 31793-29-0   |
| 769 | Amifampridine Impurity B                                 | VS-A050002 | 4318-68-7    |
| 770 | Amifampridine Impurity D                                 | VS-A050003 | 1681-37-4    |
| 771 | Amikacin                                                 | VS-A051000 | 37517-28-5   |
| 772 | Amikacin EP Impurity A                                   | VS-A051001 | N/A          |
| 773 | Amikacin EP Impurity B                                   | VS-A051002 | 927821-99-6  |
| 774 | Amikacin EP Impurity C                                   | VS-A051003 | 50725-25-2   |
| 775 | Amikacin EP Impurity D                                   | VS-A051004 | 59-01-8      |
| 776 | Amikacin EP Impurity E                                   | VS-A051005 | N/A          |
| 777 | Amikacin EP Impurity F                                   | VS-A051006 | 197909-67-4  |
| 778 | Amikacin EP Impurity G                                   | VS-A051007 | 50896-99-6   |
| 779 | Amikacin EP Impurity H                                   | VS-A051008 | 48237-20-3   |
| 780 | Amikacin EP Impurity I                                   | VS-A051009 | 40371-51-5   |
| 781 | Amiloride Hydrochloride Dihydrate                        | VS-A052000 | 17440-83-4   |
| 782 | Amiloride EP Impurity A                                  | VS-A052001 | 1458-01-1    |
| 783 | Amiloride EP Impurity B                                  | VS-A052002 | 4878-36-8    |
| 784 | Amiloride EP Impurity C                                  | VS-A052003 | 1207-29-0    |
| 785 | Amiloride Impurity 1                                     | VS-A052004 | 14236-57-8   |
| 786 | Aminocaproic Acid                                        | VS-A053000 | 60-32-2      |
| 787 | Aminocaproic Acid Dimer Impurity                         | VS-A053001 | 2014-58-6    |
| 788 | Aminocaproic Acid Trimer Impurity                        | VS-A053002 | 5776-78-3    |
| 789 | E-Caprolactam                                            | VS-A053003 | 105-60-2     |
| 790 | Methyl 6-aminoheptanoate hydrochloride                   | VS-A053004 | 1926-80-3    |
| 791 | Aminocaproic acid Impurity 1                             | VS-A053005 | 22993-71-1   |
| 792 | Aminocaproic acid Impurity 2                             | VS-A053006 | 4775-98-8    |
| 793 | Aminocaproic acid Impurity 3                             | VS-A053007 | 2073-32-7    |
| 794 | Aminocaproic acid Impurity 4                             | VS-A053008 | 4006-50-2    |
| 795 | Aminocaproic acid Impurity 5                             | VS-A053009 | 4726-93-6    |
| 796 | Aminocaproic acid Impurity 6                             | VS-A053010 | 1675217-42-1 |
| 797 | Aminolevulinic Acid Hydrochloride                        | VS-A054000 | 02-09-51     |
| 798 | Aminolevulinic Acid Hydrochloride USP Related Compound A | VS-A054001 | 77479-02-8   |

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| 799 | Aminolevulinic Acid Hydrochloride USP Related Compound B | VS-A054002 | 109258-71-1  |
| 800 | Aminolevulinic Acid Hydrochloride Impurity 1             | VS-A054003 | 79416-27-6   |
| 801 | Amiodarone                                               | VS-A055000 | 19774-82-4   |
| 802 | Amiodarone EP Impurity A                                 | VS-A055001 | 23551-25-9   |
| 803 | Amiodarone EP Impurity B                                 | VS-A055002 | 96027-74-6   |
| 804 | Amiodarone EP Impurity C                                 | VS-A055003 | 1397201-93-2 |
| 805 | Amiodarone EP Impurity D                                 | VS-A055004 | 1951-26-4    |
| 806 | Amiodarone EP Impurity E                                 | VS-A055005 | 52490-15-0   |
| 807 | Amiodarone EP Impurity F                                 | VS-A055006 | 147030-50-0  |
| 808 | Amiodarone EP Impurity G (HCl)                           | VS-A055007 | N/A          |
| 809 | Amiodarone EP Impurity H                                 | VS-A055008 | 869-24-9     |
| 810 | Amiodarone Related Compound 1                            | VS-A055009 | N/A          |
| 811 | Amiodarone Didesethyl Impurity                           | VS-A055010 | 757220-04-5  |
| 812 | Amiodarone Methoxy Impurity                              | VS-A055011 | 83790-87-8   |
| 813 | Amiodarone N-Oxide                                       | VS-A055012 | 318267-30-0  |
| 814 | 2-butyl benzofuran                                       | VS-A055013 | 4265-27-4    |
| 815 | Amiodarone Keto Amine Impurity                           | VS-A055014 | N/A          |
| 816 | Amiodarone Impurity 1                                    | VS-A055015 | N/A          |
| 817 | Desethyl Amiodarone                                      | VS-A055016 | 83409-32-9   |
| 818 | Amiodarone D4 Hydrochloride                              | VS-A055017 | 1216715-80-8 |
| 819 | Amiodarone EP Impurity G                                 | VS-A055018 | 1087223-70-8 |
| 820 | Amisulpride                                              | VS-A056000 | 71675-85-9   |
| 821 | Amisulpride EP Impurity A                                | VS-A056001 | 26116-12-1   |
| 822 | Amisulpride EP Impurity B                                | VS-A056002 | 148516-54-5  |
| 823 | Amisulpride EP Impurity C                                | VS-A056003 | 176849-91-5  |
| 824 | Amisulpride EP Impurity D                                | VS-A056004 | 71676-00-1   |
| 825 | Amisulpride EP Impurity E                                | VS-A056005 | 71675-87-1   |
| 826 | Amisulpride EP Impurity F                                | VS-A056006 | 71676-01-2   |
| 827 | Amisulpride EP Impurity G                                | VS-A056007 | 148516-68-1  |
| 828 | Amisulpride EP Impurity H                                | VS-A056008 | 1391054-22-0 |
| 829 | Amisulpride Impurity                                     | VS-A056009 | 2471682-35-4 |
| 830 | Amisulpride Impurity C                                   | VS-A056010 | N/A          |
| 831 | Amisulpride Impurity G                                   | VS-A056011 | N/A          |
| 832 | Methyl 4-amino-5-ethylsulfonyl-2-methoxybenzoate         | VS-A056012 | 80036-89-1   |
| 833 | Amitriptyline Hydrochloride                              | VS-A057000 | 549-18-8     |
| 834 | Amitriptyline EP Impurity A                              | VS-A057001 | 1210-35-1    |
| 835 | Amitriptyline EP Impurity B                              | VS-A057002 | 6202-23-9    |
| 836 | Amitriptyline EP Impurity C                              | VS-A057003 | 894-71-3     |
| 837 | Amitriptyline EP Impurity D                              | VS-A057004 | 1159-03-1    |
| 838 | Amitriptyline EP Impurity E                              | VS-A057005 | N/A          |
| 839 | Amitriptyline EP Impurity F                              | VS-A057006 | 64520-05-4   |
| 840 | Amitriptyline EP Impurity G                              | VS-A057007 | 1210-34-0    |
| 841 | Amitriptyline Impurity                                   | VS-A057008 | 24755-73-5   |
| 842 | Amitriptyline N-Oxide                                    | VS-A057009 | 4317-14-0    |
| 843 | N-desmethyl Amitriptyline                                | VS-A057010 | 72-69-5      |
| 844 | Amitriptyline N-Glucuronide                              | VS-A057011 | 112806-33-4  |
| 845 | 10-Hydroxy Amitriptyline Oxalate                         | VS-A057012 | 1246833-15-7 |

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| 846 | Dibenzocyclo Heptenol                  | VS-A057013 | 10354-00-4   |
| 847 | 10-Hydroxy Amitriptyline               | VS-A057014 | 1159-82-6    |
| 848 | Amitriptyline D6 Hydrochloride         | VS-A057015 | 203645-63-0  |
| 849 | Amitriptyline                          | VS-A057016 | 50-48-6      |
| 850 | Amlodipine Maleate                     | VS-A058000 | 88150-47-4   |
| 851 | Amlodipine Besylate                    | VS-A058001 | 111470-99-6  |
| 852 | Amlodipine EP impurity A               | VS-A058002 | 88150-62-3   |
| 853 | Amlodipine EP impurity B               | VS-A058003 | 721958-72-1  |
| 854 | Amlodipine EP Impurity C               | VS-A058004 | 721958-74-3  |
| 855 | Amlodipine EP Impurity D               | VS-A058005 | N/A          |
| 856 | Amlodipine EP Impurity E               | VS-A058006 | 140171-65-9  |
| 857 | Amlodipine EP Impurity F               | VS-A058007 | 140171-66-0  |
| 858 | Amlodipine EP impurity G               | VS-A058008 | 43067-01-2   |
| 859 | Amlodipine EP Impurity H               | VS-A058009 | 318465-73-5  |
| 860 | Amlodipine Azido Impurity              | VS-A058010 | 88150-46-3   |
| 861 | Amlodipine 4-Chloro Analogue           | VS-A058011 | 90445-02-6   |
| 862 | Amlodipine N-Glucose                   | VS-A058012 | N/A          |
| 863 | Amlodipine Related Compound A          | VS-A058013 | 2138811-33-1 |
| 864 | Amlodipine Related Compound K          | VS-A058014 | 1621516-91-3 |
| 865 | Amlodipine Related Compound (E-Isomer) | VS-A058015 | 400024-08-0  |
| 866 | Amlodipine Related Compound (Z-Isomer) | VS-A058016 | N/A          |
| 867 | Amlodipine Lactone Impurity            | VS-A058017 | 100276-22-0  |
| 868 | R-Amlodipine                           | VS-A058018 | 828247-64-9  |
| 869 | S-Amlodipine                           | VS-A058019 | 150566-71-5  |
| 870 | N-Fomyl Amlodipine                     | VS-A058020 | 93848-81-8   |
| 871 | Amlodipine Impurity                    | VS-A058021 | 103094-30-0  |
| 872 | Amlodipine Metabolite 5                | VS-A058022 | 114018-75-6  |
| 873 | Amlodipine N-Lactoside                 | VS-A058023 | N/A          |
| 874 | Amlodipine Metabolite                  | VS-A058024 | 113994-45-9  |
| 875 | Amlodipine Impurity 9                  | VS-A058025 | 58509-24-3   |
| 876 | Amlodipine Di-Phthalimide Impurity     | VS-A058026 | 223734-98-3  |
| 877 | Amlodipine Aspartic Acid Impurity      | VS-A058027 | 400602-35-9  |
| 878 | Atorvastatin Amlodipine Adduct         | VS-A058028 | 425408-16-8  |
| 879 | Ethyl benzenesulfonate                 | VS-A058029 | 515-46-8     |
| 880 | Amlodipine Mannitol Adduct             | VS-A058030 | N/A          |
| 881 | Amlodipine Methyl Ester                | VS-A058031 | N/A          |
| 882 | Deschloro Amlodipine                   | VS-A058032 | 88150-52-1   |
| 883 | Amlodipine Lactose Adduct              | VS-A058033 | N/A          |
| 884 | Amlodipine Galactose Adduct            | VS-A058034 | N/A          |
| 885 | 2-Chlorobenzaldehyde                   | VS-A058035 | 89-98-5      |
| 886 | Amlodipine Impurity 5                  | VS-A058036 | 90445-05-9   |
| 887 | Amlodipine Impurity 6                  | VS-A058037 | 88150-47-4   |
| 888 | Amlodipine Impurity 7                  | VS-A058038 | N/A          |
| 889 | Amlodipine Impurity 8                  | VS-A058039 | 110962-94-2  |
| 890 | Amlodipine Impurity 1                  | VS-A058040 | 496024-43-2  |
| 891 | Amlodipine Impurity 10                 | VS-A058041 | 2170104-51-3 |
| 892 | Amlodipine Impurity 11                 | VS-A058042 | N/A          |

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| 893 | Amlodipine Impurity 12                                                                                                                                | VS-A058043 | N/A          |
| 894 | Amlodipine Impurity 13                                                                                                                                | VS-A058044 | N/A          |
| 895 | Amlodipine Impurity 14                                                                                                                                | VS-A058045 | 113994-37-9  |
| 896 | Amlodipine Impurity 15                                                                                                                                | VS-A058046 | 1809326-44-0 |
| 897 | Amlodipine Impurity 16                                                                                                                                | VS-A058047 | N/A          |
| 898 | Amlodipine Impurity 17                                                                                                                                | VS-A058048 | N/A          |
| 899 | Amlodipine Impurity 18                                                                                                                                | VS-A058049 | 1821498-25-2 |
| 900 | Amlodipine Impurity 19                                                                                                                                | VS-A058050 | N/A          |
| 901 | Amlodipine Impurity 20                                                                                                                                | VS-A058051 | 70677-78-0   |
| 902 | Amlodipine Impurity 21                                                                                                                                | VS-A058052 | 79781-21-8   |
| 903 | Amlodipine Impurity 22                                                                                                                                | VS-A058053 | 93848-82-9   |
| 904 | Amlodipine Impurity 23                                                                                                                                | VS-A058054 | 88150-75-8   |
| 905 | Amlodipine Impurity 24                                                                                                                                | VS-A058055 | 34148-67-9   |
| 906 | Amlodipine Impurity 25                                                                                                                                | VS-A058056 | N/A          |
| 907 | Amlodipine Impurity 26                                                                                                                                | VS-A058057 | 130161-00-1  |
| 908 | Amlodipine Impurity 27                                                                                                                                | VS-A058058 | 2170104-02-4 |
| 909 | Amlodipine Impurity D                                                                                                                                 | VS-A058059 | 113994-41-5  |
| 910 | 4-(2-Chlorophenyl)-2-[[2-(1,3-Dihydro-1,3-Dioxo-2H-Isoindol-2-Yl)Ethoxy]Methyl]-1,4-Dihydro-6-Methyl-3,5-Pyridinedicarboxylic Acid 3,5-Dimethyl Ester | VS-A058060 | 140171-50-2  |
| 911 | Amlodipine                                                                                                                                            | VS-A058061 | 88150-42-9   |
| 912 | Amlodipine EP Impurity D (Besylate salt)                                                                                                              | VS-A058062 | 2733700-89-3 |
| 913 | N-Nitroso Amlodipine                                                                                                                                  | VS-A058063 | NA           |
| 914 | Hydroxy ethyl phthalyl amlodipine                                                                                                                     | VS-A058064 | NA           |
| 915 | Amlodipine N-Lactoside                                                                                                                                | VS-A058065 | 2173291-00-2 |
| 916 | Amlodipine Glucose + Galactose adduct                                                                                                                 | VS-A058066 | NA           |
| 917 | Nitroso Phthaloyl Amlodipine                                                                                                                          | VS-A058067 | NA           |
| 918 | Nitroso Amlodipine EP Impurity B                                                                                                                      | VS-A058068 | NA           |
| 919 | Amlodipine EP Impurity E (Maleate salt)                                                                                                               | VS-A058069 | 400024-12-6  |
| 920 | Amodiaquine                                                                                                                                           | VS-A059000 | 86-42-0      |
| 921 | Amodiaquine Impurity A                                                                                                                                | VS-A059001 | 81080-09-3   |
| 922 | Amodiaquine Impurity B                                                                                                                                | VS-A059002 | 81099-86-7   |
| 923 | 4,7-Dichloroquinoline                                                                                                                                 | VS-A059003 | 86-98-6      |
| 924 | N-Desethyl Amodiaquine Dihydrochloride                                                                                                                | VS-A059004 | 79049-30-2   |
| 925 | Amodiaquine Dihydrochloride Dihydrate                                                                                                                 | VS-A059005 | 6398-98-7    |
| 926 | Amodiaquine Impurity 2                                                                                                                                | VS-A059006 | 121-78-8     |
| 927 | Amodiaquine Impurity 3                                                                                                                                | VS-A059007 | 3011-34-5    |
| 928 | Amodiaquine Impurity 4                                                                                                                                | VS-A059008 | 399-96-2     |
| 929 | Amodiaquine Impurity 5                                                                                                                                | VS-A059009 | 71130-60-4   |
| 930 | Amodiaquine Impurity 6                                                                                                                                | VS-A059010 | 79352-72-0   |
| 931 | Amodiaquine Impurity 7                                                                                                                                | VS-A059011 | 37672-04-1   |
| 932 | Amorolfine                                                                                                                                            | VS-A060000 | 78613-38-4   |
| 933 | Amorolfine EP Impurity B                                                                                                                              | VS-A060001 | 142347-84-0  |
| 934 | Amorolfine EP Impurity C                                                                                                                              | VS-A060002 | 922734-43-8  |
| 935 | Amorolfine EP Impurity D                                                                                                                              | VS-A060003 | N/A          |
| 936 | Amorolfine EP Impurity E                                                                                                                              | VS-A060004 | N/A          |
| 937 | Amorolfine EP Impurity F                                                                                                                              | VS-A060005 | 106614-66-8  |

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| 938 | Amorolfine EP Impurity G                                 | VS-A060006 | N/A          |
| 939 | Amorolfine EP Impurity H                                 | VS-A060007 | N/A          |
| 940 | Amorolfine EP Impurity I                                 | VS-A060008 | N/A          |
| 941 | Amorolfine EP Impurity J                                 | VS-A060009 | N/A          |
| 942 | Amorolfine EP Impurity K                                 | VS-A060010 | N/A          |
| 943 | Amorolfine EP Impurity L                                 | VS-A060011 | N/A          |
| 944 | Amorolfine EP Impurity M                                 | VS-A060012 | N/A          |
| 945 | Amorolfine EP Impurity O                                 | VS-A060013 | 73414-18-3   |
| 946 | Amoxapine                                                | VS-A061000 | 14028-44-5   |
| 947 | Amoxapine Impurity A                                     | VS-A061001 | 08-11-70     |
| 948 | Amoxapine Impurity C                                     | VS-A061002 | N/A          |
| 949 | Amoxapine USP RC D                                       | VS-A061003 | 3158-91-6    |
| 950 | Amoxapine Impurity F                                     | VS-A061004 | 1216608-66-0 |
| 951 | Amoxapine Impurity III                                   | VS-A061005 | 3454-96-4    |
| 952 | Amoxapine 8-Hydroxy Impurity                             | VS-A061006 | 61443-78-5   |
| 953 | Amoxapine N-Methoxycarbonyl Impurity                     | VS-A061007 | 371971-25-4  |
| 954 | Amoxapine 7-Hydroxy Impurity                             | VS-A061008 | 37081-76-8   |
| 955 | Amoxicillin                                              | VS-A062000 | 26787-78-0   |
| 956 | Amoxicillin Sodium                                       | VS-A062001 | 34642-77-8   |
| 957 | Amoxicillin Trihydrate                                   | VS-A062002 | 61336-70-7   |
| 958 | Amoxicillin Sulfoxide                                    | VS-A062003 | 2485704-40-1 |
| 959 | Amoxicillin EP Impurity A                                | VS-A062004 | 551-16-6     |
| 960 | Amoxicillin EP Impurity B                                | VS-A062005 | 26889-93-0   |
| 961 | Amoxicillin EP Impurity C                                | VS-A062006 | 2088961-37-7 |
| 962 | Amoxicillin EP Impurity D Na                             | VS-A062007 | 1642559-71-4 |
| 963 | Amoxicillin EP Impurity E                                | VS-A062008 | 1356020-01-3 |
| 964 | Amoxicillin EP Impurity F                                | VS-A062009 | 126247-63-0  |
| 965 | Amoxicillin EP Impurity G                                | VS-A062010 | 188112-75-6  |
| 966 | Amoxicillin EP Impurity H                                | VS-A062011 | 205826-86-4  |
| 967 | Amoxicillin EP Impurity I                                | VS-A062012 | 22818-40-2   |
| 968 | Amoxicillin EP Impurity I HCl                            | VS-A062013 | 52067-90-0   |
| 969 | Amoxicillin EP Impurity I K                              | VS-A062014 | 71839-16-2   |
| 970 | Amoxicillin EP Impurity I Na                             | VS-A062015 | 55361-61-0   |
| 971 | Amoxicillin EP Impurity J                                | VS-A062016 | 73590-06-4   |
| 972 | Amoxicillin EP Impurity J 2Na                            | VS-A062017 | 94730-53-7   |
| 973 | Amoxicillin EP Impurity K                                | VS-A062018 | N/A          |
| 974 | Amoxicillin EP Impurity L                                | VS-A062019 | 1789703-32-7 |
| 975 | Amoxicillin Impurity M                                   | VS-A062020 | N/A          |
| 976 | N-Pivaloyl Amoxicillin                                   | VS-A062021 | 1313237-94-3 |
| 977 | Amoxicillin Trimer Impurity (Na)                         | VS-A062022 | 94703-34-1   |
| 978 | Amoxicillin Open Ring Decarboxylated Dimer Disodium salt | VS-A062023 | N/A          |
| 979 | Amoxicillin Open Ring Trimer Impurity sodium salt        | VS-A062024 | N/A          |
| 980 | Amoxicillin Dimer                                        | VS-A062025 | N/A          |
| 981 | Amoxicillin Trimer                                       | VS-A062026 | N/A          |
| 982 | Amoxicillin Trimer Impurity                              | VS-A062027 | 174391-69-6  |
| 983 | P-Hydroxyphenylglycine methyl ester                      | VS-A062028 | 26531-82-8   |
| 984 | Amoxicillin Related Compound J                           | VS-A062029 | 2088960-43-2 |

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| 985  | Amoxicillin Open Ring Trimer Impurity                                       | VS-A062030 | 210289-73-9  |
| 986  | P-Hydroxyphenylglycine methyl ester HCl                                     | VS-A062031 | 127369-30-6  |
| 987  | Amoxicillin Diketopiperazine                                                | VS-A062032 | 94659-47-9   |
| 988  | Amoxicillin Impurity 1                                                      | VS-A062033 | 54397-23-8   |
| 989  | Amoxicillin Impurity 2                                                      | VS-A062034 | 185802-22-6  |
| 990  | Amoxicillin Impurity 3                                                      | VS-A062035 | 297175-66-7  |
| 991  | Amoxicillin Impurity 4                                                      | VS-A062036 | 68728-47-2   |
| 992  | Amoxicillin EP Impurity D                                                   | VS-A062037 | 1642629-94-4 |
| 993  | Amoxicillin related compound J (Mixture of amoxicillin and open ring dimer) | VS-A062038 | NA           |
| 994  | N-(Penicillan-6-yl) Open Ring Amoxicillinamide Disodium Salt                | VS-A062039 | NA           |
| 995  | Amphotericin B                                                              | VS-A063000 | 1397-89-3    |
| 996  | Amphotericin B Methyl Ester                                                 | VS-A063001 | 36148-89-7   |
| 997  | Amphotericin B Ethyl Ester                                                  | VS-A063002 | 55298-62-9   |
| 998  | Amphotericin B EP Impurity A                                                | VS-A063003 | 1405-32-9    |
| 999  | Amphotericin B EP Impurity B                                                | VS-A063004 | 136135-57-4  |
| 1000 | Amphotericin B EP Impurity C                                                | VS-A063005 | N/A          |
| 1001 | Amphoteronolide B                                                           | VS-A063006 | 106799-07-9  |
| 1002 | Ampicillin Sodium salt                                                      | VS-A064000 | 69-52-3      |
| 1003 | Ampicillin Trihydrate                                                       | VS-A064001 | 7177-48-2    |
| 1004 | Ampicillin EP Impurity A                                                    | VS-A064002 | 551-16-6     |
| 1005 | Ampicillin EP Impurity A Sodium salt                                        | VS-A064003 | 1203-85-6    |
| 1006 | Ampicillin EP Impurity A Calcium salt                                       | VS-A064004 | 35195-89-2   |
| 1007 | Ampicillin EP Impurity A Hydrochloride                                      | VS-A064005 | 57218-58-3   |
| 1008 | Ampicillin EP Impurity B                                                    | VS-A064006 | 19379-33-0   |
| 1009 | Ampicillin EP Impurity B Sodium salt                                        | VS-A064007 | 2238812-60-5 |
| 1010 | Ampicillin EP Impurity C                                                    | VS-A064008 | N/A          |
| 1011 | Ampicillin EP Impurity D                                                    | VS-A064009 | 32746-94-4   |
| 1012 | Ampicillin EP Impurity D Sodium salt                                        | VS-A064010 | 63492-99-9   |
| 1013 | Ampicillin EP Impurity E                                                    | VS-A064011 | 1207726-28-0 |
| 1014 | Ampicillin EP Impurity F                                                    | VS-A064012 | 124774-48-7  |
| 1015 | Ampicillin EP Impurity G                                                    | VS-A064013 | 31485-02-6   |
| 1016 | Ampicillin EP Impurity H                                                    | VS-A064014 | 73200-73-4   |
| 1017 | Ampicillin EP Impurity I                                                    | VS-A064015 | 10001-82-8   |
| 1018 | Ampicillin EP Impurity I HCl                                                | VS-A064016 | N/A          |
| 1019 | Ampicillin EP Impurity J                                                    | VS-A064017 | 6489-58-3    |
| 1020 | Ampicillin EP Impurity J Sodium salt                                        | VS-A064018 | 20520-33-6   |
| 1021 | Ampicillin EP Impurity J Potassium salt                                     | VS-A064019 | 50547-66-5   |
| 1022 | Ampicillin EP Impurity K                                                    | VS-A064020 | 40610-41-1   |
| 1023 | Ampicillin EP Impurity L                                                    | VS-A064021 | 875-74-1     |
| 1024 | Ampicillin EP Impurity L Hydrochloride                                      | VS-A064022 | 25705-52-6   |
| 1025 | Ampicillin EP Impurity L Sodium salt                                        | VS-A064023 | 56337-83-8   |
| 1026 | Ampicillin EP Impurity L Potassium salt                                     | VS-A064024 | 37661-32-8   |
| 1027 | Ampicillin EP Impurity M                                                    | VS-A064025 | 62326-82-3   |
| 1028 | Ampicillin EP Impurity M Disodium salt                                      | VS-A064026 | 94730-51-5   |
| 1029 | Ampicillin EP Impurity N (Dimer)                                            | VS-A064027 | N/A          |
| 1030 | Ampicillin EP Impurity N (Trimer)                                           | VS-A064028 | N/A          |

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| 1031 | Ampicillin Related Compound 1                       | VS-A064029 | 142975-48-2  |
| 1032 | Ampicillin Oligomer 1 (trimer) Sodium salt          | VS-A064030 | 94659-48-0   |
| 1033 | Pivampicillin                                       | VS-A064031 | 33817-20-8   |
| 1034 | Pivampicillin Impurity A                            | VS-A064032 | N/A          |
| 1035 | Pivampicillin Impurity B                            | VS-A064033 | N/A          |
| 1036 | Talampicillin Hydrochloride                         | VS-A064034 | 39878-70-1   |
| 1037 | Ampicillin Open ring dimer                          | VS-A064035 | N/A          |
| 1038 | D-Phenylglycinamide                                 | VS-A064036 | 6485-67-2    |
| 1039 | Ampicillin Trihydrate Impurity N                    | VS-A064037 | N/A          |
| 1040 | Ampicillin oligomer 1 (trimer)                      | VS-A064038 | 114977-84-3  |
| 1041 | Pivampicillin Hydrochloride                         | VS-A064039 | 26309-95-5   |
| 1042 | Talampicillin                                       | VS-A064040 | 47747-56-8   |
| 1043 | D-Phenylglycinamide Hydrochloride                   | VS-A064041 | 63291-39-4   |
| 1044 | D-Phenylglycinamide Sulfate salt                    | VS-A064042 | 181495-38-5  |
| 1045 | D-Phenylglycinamide Hydrobromide salt               | VS-A064043 | 67861-60-3   |
| 1046 | Cephadrine                                          | VS-A064044 | 38821-53-3   |
| 1047 | Ampicillin Oligomer 2                               | VS-A064045 | 1207725-82-3 |
| 1048 | S Isomer of Ampicillin Impurities G                 | VS-A064046 | 281670-46-0  |
| 1049 | Dipyron                                             | VS-A065000 | 68-89-3      |
| 1050 | Amsacrine                                           | VS-A066000 | 51264-14-3   |
| 1051 | Amsacrine Impurity A                                | VS-A066001 | 57165-06-7   |
| 1052 | Amsacrine Impurity B                                | VS-A066002 | 1207-69-8    |
| 1053 | Amsacrine Impurity C                                | VS-A066003 | 758-95-0     |
| 1054 | Amsacrine Impurity D                                | VS-A066004 | N/A          |
| 1055 | N-(2-methoxy-4-nitrophenyl)butyramide               | VS-A066005 | 78701-56-1   |
| 1056 | N-(4-amino-2-methoxyphenyl)butyramide               | VS-A066006 | 59988-64-6   |
| 1057 | N-(2-methoxy-4-(methylsulfonamido)phenyl)butyramide | VS-A066007 | 78701-57-2   |
| 1058 | Amsacrine Impurity 1                                | VS-A066008 | 83209-83-0   |
| 1059 | Amtolmetin                                          | VS-A067000 | 87344-06-7   |
| 1060 | Amtolmetin Impurity 1                               | VS-A067001 | 87344-05-6   |
| 1061 | Anagrelide                                          | VS-A068000 | 58579-51-4   |
| 1062 | Anagrelide Related Compound A                       | VS-A068001 | 70406-92-7   |
| 1063 | Anagrelide Related Compound B                       | VS-A068002 | 1159977-03-3 |
| 1064 | Anagrelide Related Compound C                       | VS-A068003 | 70381-75-8   |
| 1065 | 2-Amino-5,6-dichloro-3,4-dihydroquinazoline         | VS-A068004 | 444904-63-6  |
| 1066 | Anagrelide open ring methyl ester Hydro Bromide     | VS-A068005 | 70380-52-8   |
| 1067 | Anagrelide open ring methyl ester                   | VS-A068006 | 752151-24-9  |
| 1068 | Anagrelide Trichloro derivative                     | VS-A068007 | 1092352-99-2 |
| 1069 | 3-Hydroxy anagrelide                                | VS-A068008 | 733043-41-9  |
| 1070 | Anagrelide KSM                                      | VS-A068009 | 85325-11-7   |
| 1071 | Anagrelide Impurity 2                               | VS-A068010 | 2187431-30-5 |
| 1072 | Anagrelide Impurity 3                               | VS-A068011 | 70380-50-6   |
| 1073 | Anagrelide Impurity 4                               | VS-A068012 | 70380-54-0   |
| 1074 | Anagrelide Impurity 5                               | VS-A068013 | 2187431-31-6 |
| 1075 | Anagrelide Impurity 6                               | VS-A068014 | 349150-82-9  |
| 1076 | Anagrelide Impurity 7                               | VS-A068015 | N/A          |
| 1077 | Anagrelide Impurity 8                               | VS-A068016 | N/A          |



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| 1078 | Anagrelide Impurity 9                                | VS-A068017 | N/A          |
| 1079 | Anagrelide Impurity 10                               | VS-A068018 | N/A          |
| 1080 | Anagrelide Impurity 11                               | VS-A068019 | N/A          |
| 1081 | Anastrozole                                          | VS-A069000 | 120511-73-1  |
| 1082 | Anastrozole HCl                                      | VS-A069001 | 868771-60-2  |
| 1083 | Anastrozole EP Impurity A                            | VS-A069002 | 1215780-15-6 |
| 1084 | Anastrozole EP impurity B                            | VS-A069003 | 1216898-82-6 |
| 1085 | Anastrozole EP Impurity C                            | VS-A069004 | 120511-84-4  |
| 1086 | Anastrozole EP Impurity D                            | VS-A069005 | 1027160-12-8 |
| 1087 | Anastrozole EP Impurity E                            | VS-A069006 | 120511-88-8  |
| 1088 | Anastrozole EP Impurity E (Sodium salt)              | VS-A069007 | 1015083-82-5 |
| 1089 | Anastrozole EP Impurity F (Sodium salt)              | VS-A069008 | 657-84-1     |
| 1090 | Anastrozole EP Impurity F (Hydrate)                  | VS-A069009 | 6192-52-5    |
| 1091 | Anastrozole EP Impurity G                            | VS-A069010 | 120511-92-4  |
| 1092 | Anastrozole EP Impurity H                            | VS-A069011 | 120511-72-0  |
| 1093 | Anastrozole EP Impurity I                            | VS-A069012 | 120511-91-3  |
| 1094 | Anastrozole Impurity A                               | VS-A069013 | 918312-71-7  |
| 1095 | Anastrozole Impurity B                               | VS-A069014 | 2518116-15-7 |
| 1096 | Anastrozole Impurity C                               | VS-A069015 | N/A          |
| 1097 | Anastrozole Diacid                                   | VS-A069016 | 1338800-81-9 |
| 1098 | Anastrozole Monoamide Mononitrile                    | VS-A069017 | 120512-03-0  |
| 1099 | Anastrozole Diamide                                  | VS-A069018 | 120512-04-1  |
| 1100 | Anastrozole Monoacid Mononitrile                     | VS-A069019 | 1338800-82-0 |
| 1101 | Anastrozole Monoacid Monoamide                       | VS-A069020 | 2469244-33-3 |
| 1102 | Anastrozole 1,3-Dicyanomethyl Impurity               | VS-A069021 | 120511-74-2  |
| 1103 | 4-Aminoanastrozolum Bromide                          | VS-A069022 | 906813-01-2  |
| 1104 | Anastrozole 1,3-Dibromomethyl Impurity               | VS-A069023 | 19294-04-3   |
| 1105 | Anastrozole Formyl Impurity                          | VS-A069024 | 120511-89-9  |
| 1106 | 1,2,4-Triazol-4-amine                                | VS-A069025 | 584-13-4     |
| 1107 | 1,2,4-Triazol-4-amine (HCl)                          | VS-A069026 | 25545-88-4   |
| 1108 | 3,5-Dimethylbenzene                                  | VS-A069027 | 27129-86-8   |
| 1109 | 3,5-Dimethylphenylacetonitrile                       | VS-A069028 | 39101-54-7   |
| 1110 | $\alpha,\alpha,3,5$ -Tetramethyl-benzeneacetonitrile | VS-A069029 | 93748-07-3   |
| 1111 | 4-Aminoanastrozolum                                  | VS-A069030 | 907161-00-6  |
| 1112 | Anastrozole Impurity 1                               | VS-A069031 | 105371-71-9  |
| 1113 | Anastrozole Impurity 2                               | VS-A069032 | 120512-36-9  |
| 1114 | Anastrozole Impurity 3                               | VS-A069033 | 120512-37-0  |
| 1115 | Anastrozole Impurity 4                               | VS-A069034 | 120512-38-1  |
| 1116 | Anastrozole Impurity 5                               | VS-A069035 | 1186102-55-5 |
| 1117 | Anastrozole Impurity 6                               | VS-A069036 | 1301724-97-9 |
| 1118 | Anidulafungin                                        | VS-A070000 | 166663-25-8  |
| 1119 | Anidulafungin Impurity A                             | VS-A070001 | N/A          |
| 1120 | Anidulafungin Impurity B                             | VS-A070002 | 2099166-86-4 |
| 1121 | Anidulafungin Impurity D                             | VS-A070003 | 185425-47-2  |
| 1122 | Anidulafungin Impurity E                             | VS-A070004 | 2099166-85-3 |
| 1123 | Anidulafungin Impurity F                             | VS-A070005 | N/A          |
| 1124 | Anthracene                                           | VS-A071000 | 120-12-7     |

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|------|-----------------------------------------|------------|--------------|
| 1125 | Anthacrolein                            | VS-A071001 | 38982-12-6   |
| 1126 | 9,10-diphenylanthracene                 | VS-A071002 | 1499-10-1    |
| 1127 | Antipyrine                              | VS-A072000 | 60-80-0      |
| 1128 | Antipyrine USP Related Compound A       | VS-A072001 | 89-25-8      |
| 1129 | 4-Formyl Methylamino Antipyrine         | VS-A072002 | 1672-59-9    |
| 1130 | Apalutamide                             | VS-A073000 | 956104-40-8  |
| 1131 | Apalutamide Oxamide                     | VS-A073001 | N/A          |
| 1132 | Apalutamide Thioamide                   | VS-A073002 | 2422147-84-8 |
| 1133 | Apalutamide Acid (APA3 Acid)            | VS-A073003 | 1332391-04-4 |
| 1134 | Apalutamide Dithio Impurity             | VS-A073004 | N/A          |
| 1135 | Apalutamide Desfluoro Impurity          | VS-A073005 | 1332389-57-7 |
| 1136 | Apalutamide Desmethyl Impurity          | VS-A073006 | 1332391-11-3 |
| 1137 | Apalutamide Amine Impurity ( APA2 )     | VS-A073007 | 915087-26-2  |
| 1138 | Apalutamide N-Oxide                     | VS-A073008 | N/A          |
| 1139 | Apalutamide Acid sodium salt            | VS-A073009 | N/A          |
| 1140 | Apalutamide Impurity 1 (Dioxo)          | VS-A073010 | 1332391-92-0 |
| 1141 | Apalutamide Impurity 2 (APA3 amide)     | VS-A073011 | N/A          |
| 1142 | Apalutamide Impurity 3                  | VS-A073012 | 1950587-20-8 |
| 1143 | Apalutamide Impurity 4                  | VS-A073013 | N/A          |
| 1144 | Apalutamide Impurity 5                  | VS-A073014 | N/A          |
| 1145 | Apalutamide Impurity 6                  | VS-A073015 | N/A          |
| 1146 | Apalutamide Impurity 7 ( APA2 Acid )    | VS-A073016 | 2227589-22-0 |
| 1147 | Apalutamide Impurity 7 (Potassium salt) | VS-A073017 | 2408380-71-0 |
| 1148 | Apalutamide Impurity 8                  | VS-A073018 | N/A          |
| 1149 | Apalutamide Impurity 10 (Aminopyridine) | VS-A073019 | 573762-62-6  |
| 1150 | Apalutamide Impurity 11                 | VS-A073020 | 573762-57-9  |
| 1151 | Apalutamide Impurity 12                 | VS-A073021 | 99368-66-8   |
| 1152 | Apalutamide Impurity 13                 | VS-A073022 | 956104-42-0  |
| 1153 | Apalutamide Impurity 14                 | VS-A073023 | 6274-22-2    |
| 1154 | Apalutamide Impurity 15                 | VS-A073024 | 403-24-7     |
| 1155 | Apalutamide Impurity 16                 | VS-A073025 | 915087-24-0  |
| 1156 | Apalutamide Impurity 17                 | VS-A073026 | 1427-07-2    |
| 1157 | Apalutamide Impurity 18                 | VS-A073027 | 446-31-1     |
| 1158 | N-Nitroso Apalutamide Amine Impurity    | VS-A073028 | N/A          |
| 1159 | Apalutamide Impurity 19                 | VS-A073029 | 915087-25-1  |
| 1160 | Apalutamide Dithio Impurity             | VS-A073030 | 2649802-40-2 |
| 1161 | Apalutamide Impurity 20                 | VS-A073031 | 22245-83-6   |
| 1162 | Apixaban                                | VS-A074000 | 503612-47-3  |
| 1163 | Apixaban Related Compound 1             | VS-A074001 | 4792-57-8    |
| 1164 | Apixaban Related Compound 2             | VS-A074002 | 536760-29-9  |
| 1165 | Apixaban Related Compound 3             | VS-A074003 | 2098457-92-0 |
| 1166 | Apixaban Related Compound 4             | VS-A074004 | 99585-01-0   |
| 1167 | Apixaban Related Compound 5             | VS-A074005 | 2219376-48-2 |
| 1168 | Apixaban Related Compound 6             | VS-A074006 | 2518374-75-7 |
| 1169 | Apixaban Impurity A                     | VS-A074007 | 503614-92-4  |
| 1170 | Apixaban Impurity C                     | VS-A074008 | 1904628-10-9 |
| 1171 | Apixaban Impurity E                     | VS-A074009 | 1609409-53-1 |

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|------|--------------------------------------------|------------|--------------|
| 1172 | O-Desmethyl Apixaban                       | VS-A074010 | 503612-76-8  |
| 1173 | Hydroxy O-Demethyl Apixaban                | VS-A074011 | 2204368-56-7 |
| 1174 | Hydroxy O-Demethyl Apixaban Sulfate        | VS-A074012 | 2203515-00-6 |
| 1175 | O-Desmethyl Apixaban Sulfate               | VS-A074013 | 1118765-14-2 |
| 1176 | Apixaban Methyl Impurity                   | VS-A074014 | 70736-27-5   |
| 1177 | Apixaban Ethoxy Impurity                   | VS-A074015 | 37522-29-5   |
| 1178 | Apixaban Amino Acid Impurity               | VS-A074016 | 2206825-87-6 |
| 1179 | 3-chloro-1-(4-nitrophenyl)-piperidin-2-one | VS-A074017 | N/A          |
| 1180 | Apixaban Tetrahydro Impurity               | VS-A074018 | 536759-91-8  |
| 1181 | Apixaban dimer impurity                    | VS-A074019 | 1998079-11-0 |
| 1182 | Apixaban N-Oxide Dimer Impurity            | VS-A074020 | 1998079-12-1 |
| 1183 | Apixaban Isopropyl Ester Impurity          | VS-A074021 | N/A          |
| 1184 | Apixaban Impurity 2                        | VS-A074022 | 2187409-01-2 |
| 1185 | Apixaban Impurity 3                        | VS-A074023 | N/A          |
| 1186 | Apixaban Impurity 4                        | VS-A074024 | 1686149-74-5 |
| 1187 | Apixaban Impurity 5                        | VS-A074025 | N/A          |
| 1188 | Apixaban USP Related Compound E            | VS-A074026 | 1074365-84-6 |
| 1189 | Apixaban Impurity 7                        | VS-A074027 | 1074549-87-3 |
| 1190 | Apixaban Impurity 8                        | VS-A074028 | N/A          |
| 1191 | Apixaban Impurity 9                        | VS-A074029 | 503614-91-3  |
| 1192 | Apixaban USP Related Compound D            | VS-A074030 | 1351611-14-7 |
| 1193 | Apixaban Impurity 11                       | VS-A074031 | 2204368-51-2 |
| 1194 | Apixaban Impurity 12                       | VS-A074032 | N/A          |
| 1195 | Apixaban Impurity 13 Potassium Salt        | VS-A074033 | N/A          |
| 1196 | Apixaban Impurity 14                       | VS-A074034 | 1704504-93-7 |
| 1197 | Apixaban Impurity 15                       | VS-A074035 | 1466571-07-2 |
| 1198 | Apixaban Impurity 16                       | VS-A074036 | 2203740-09-2 |
| 1199 | Apixaban Impurity 17                       | VS-A074037 | 1423803-24-0 |
| 1200 | Apixaban Impurity 18                       | VS-A074038 | 1643330-62-4 |
| 1201 | Apixaban Impurity 19                       | VS-A074039 | 503615-07-4  |
| 1202 | Apixaban USP Related Compound H            | VS-A074040 | 1421823-20-2 |
| 1203 | Apixaban Impurity 21                       | VS-A074041 | 2206360-55-4 |
| 1204 | Apixaban Impurity 22                       | VS-A074042 | 405872-78-8  |
| 1205 | Apixaban Impurity 23                       | VS-A074043 | 1801881-17-3 |
| 1206 | Apixaban Impurity 24                       | VS-A074044 | 1928718-22-2 |
| 1207 | Apixaban Impurity 25                       | VS-A074045 | 473927-63-8  |
| 1208 | Apixaban Impurity 26                       | VS-A074046 | 1449510-64-8 |
| 1209 | Apixaban Impurity 27                       | VS-A074047 | 2133292-60-9 |
| 1210 | Apixaban Impurity 28                       | VS-A074048 | 2208275-54-9 |
| 1211 | Apixaban Impurity 29                       | VS-A074049 | 2413365-22-5 |
| 1212 | Apixaban Impurity 30                       | VS-A074050 | N/A          |
| 1213 | Apixaban Impurity 31                       | VS-A074051 | N/A          |
| 1214 | Apixaban Impurity 32                       | VS-A074052 | 1998079-16-5 |
| 1215 | Apixaban Impurity 33                       | VS-A074053 | 1686149-78-9 |
| 1216 | Apixaban Impurity 34                       | VS-A074054 | 2098457-93-1 |
| 1217 | Apixaban Impurity 35                       | VS-A074055 | 1074549-89-5 |
| 1218 | Apixaban Impurity 36                       | VS-A074056 | 545445-44-1  |

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| 1219 | Apixaban Impurity 36                                                                                                             | VS-A074057 | 503615-03-0  |
| 1220 | Apixaban Impurity 37                                                                                                             | VS-A074058 | 27143-07-3   |
| 1221 | Apixaban Impurity 38                                                                                                             | VS-A074059 | 1998079-13-2 |
| 1222 | Apixaban Impurity 39                                                                                                             | VS-A074060 | 1998079-14-3 |
| 1223 | Apixaban Chloro Impurity                                                                                                         | VS-A074061 | 2029205-64-7 |
| 1224 | Apixaban Impurity 41                                                                                                             | VS-A074062 | N/A          |
| 1225 | Apixaban Impurity 42                                                                                                             | VS-A074063 | 1609409-54-2 |
| 1226 | Apixaban Impurity 43                                                                                                             | VS-A074064 | 1998079-15-4 |
| 1227 | Apixaban Impurity 44                                                                                                             | VS-A074065 | N/A          |
| 1228 | Apixaban Impurity 45                                                                                                             | VS-A074066 | 1619934-76-7 |
| 1229 | Apixaban Impurity 46                                                                                                             | VS-A074067 | N/A          |
| 1230 | Apixaban Impurity 47                                                                                                             | VS-A074068 | 1267610-26-3 |
| 1231 | Apixaban Impurity 48                                                                                                             | VS-A074069 | 1777782-31-6 |
| 1232 | Apixaban Impurity 49                                                                                                             | VS-A074070 | N/A          |
| 1233 | Apixaban Impurity 50                                                                                                             | VS-A074071 | N/A          |
| 1234 | Apixaban Impurity 51                                                                                                             | VS-A074072 | N/A          |
| 1235 | Apixaban Impurity 52                                                                                                             | VS-A074073 | 2437650-75-2 |
| 1236 | Apixaban Impurity 53                                                                                                             | VS-A074074 | 2444918-46-9 |
| 1237 | Apixaban Impurity 54                                                                                                             | VS-A074075 | N/A          |
| 1238 | Apixaban Impurity 55                                                                                                             | VS-A074076 | N/A          |
| 1239 | 5-((4-(3-Carbamoyl-1-(4-methoxyphenyl)-7-oxo-1,4,5,7-tetrahydro-6H-pyrazolo[3,4-c]pyridin-6-yl)phenyl)amino)pentanoic-1-14C acid | VS-A074077 | 1188385-73-0 |
| 1240 | 5-chlorohexanoic acid                                                                                                            | VS-A074078 | 112176-22-4  |
| 1241 | Methyl-5-chloro-4-Methylpentanoate                                                                                               | VS-A074079 | N/A          |
| 1242 | Ethyl-5-chloro-4-methyl pentanoate                                                                                               | VS-A074080 | N/A          |
| 1243 | Apixaban Impurity 58                                                                                                             | VS-A074081 | 881386-01-2  |
| 1244 | Apixaban Impurity 80                                                                                                             | VS-A074082 | 28663-68-5   |
| 1245 | Apixaban Impurity 83                                                                                                             | VS-A074083 | 38560-30-4   |
| 1246 | Apixaban Impurity 84                                                                                                             | VS-A074084 | 2816305-40-3 |
| 1247 | Apixaban Impurity 85                                                                                                             | VS-A074085 | NA           |
| 1248 | 2-chloro-2-[2-(2-Methoxyphenyl)hydrazinylidene]-, ethyl ester                                                                    | VS-A074086 | 85014-68-2   |
| 1249 | Apixaban Impurity 87                                                                                                             | VS-A074087 | 1801881-15-1 |
| 1250 | Apixaban Impurity 88                                                                                                             | VS-A074088 | 438056-68-9  |
| 1251 | Apixaban Impurity 89                                                                                                             | VS-A074089 | 2231798-66-4 |
| 1252 | Apixaban Impurity 90                                                                                                             | VS-A074090 | 2231798-71-1 |
| 1253 | Apixaban USP Related Compound G                                                                                                  | VS-A074091 | 881386-12-5  |
| 1254 | Apixaban Impurity 91                                                                                                             | VS-A074092 | 1017663-55-6 |
| 1255 | N-Nitroso Apixaban Amino Acid Impurity                                                                                           | VS-A074093 | NA           |
| 1256 | Apixaban Impurity 92                                                                                                             | VS-A074094 | 2264018-89-3 |
| 1257 | Apixaban Nitrosamine Impurity 2                                                                                                  | VS-A074095 | NA           |
| 1258 | Apoatropine Hydrochloride                                                                                                        | VS-A075000 | 5978-81-4    |
| 1259 | Apramycin Sulfate                                                                                                                | VS-A076000 | 65710-07-8   |
| 1260 | Apremilast                                                                                                                       | VS-A077000 | 608141-41-9  |
| 1261 | Apremilast EP Impurity B                                                                                                         | VS-A077001 | 15371-06-9   |
| 1262 | Apremilast EP Impurity C                                                                                                         | VS-A077002 | 2487573-02-2 |
| 1263 | Apremilast EP Impurity D                                                                                                         | VS-A077003 | 2448678-64-4 |
| 1264 | Apremilast EP Impurity E                                                                                                         | VS-A077004 | 2487573-03-3 |

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| 1265 | Apremilast EP Impurity F                     | VS-A077005 | N/A          |
| 1266 | Apremilast EP Impurity H                     | VS-A077006 | 253168-94-4  |
| 1267 | Apremilast Impurity E                        | VS-A077007 | N/A          |
| 1268 | Apremilast Dimer                             | VS-A077008 | 1802246-60-1 |
| 1269 | Desacetyl Apremilast                         | VS-A077009 | N/A          |
| 1270 | Apremilast R-Isomer                          | VS-A077010 | 608141-44-2  |
| 1271 | Apremilast Olifin Amine                      | VS-A077011 | 1450657-31-4 |
| 1272 | Apremilast Des Oxo Impurity                  | VS-A077012 | 2487573-08-8 |
| 1273 | N-Deacetyl Apremilast                        | VS-A077013 | 253168-83-1  |
| 1274 | Apremilast 2-Acetamido Benzoic Acid Impurity | VS-A077014 | 1809170-71-5 |
| 1275 | Apremilast N-formyl impurity                 | VS-A077015 | 2077897-94-8 |
| 1276 | 3-Nitrophthalic Acid                         | VS-A077016 | 603-11-2     |
| 1277 | Apremilast Impurity 1                        | VS-A077017 | 608141-43-1  |
| 1278 | Apremilast Impurity 2                        | VS-A077018 | 6296-53-3    |
| 1279 | Apremilast Impurity 3                        | VS-A077019 | 2097600-16-1 |
| 1280 | Apremilast Impurity 4                        | VS-A077020 | 1407140-51-5 |
| 1281 | Apremilast Impurity 5                        | VS-A077021 | 2095036-40-9 |
| 1282 | Apremilast Impurity 6                        | VS-A077022 | 1384967-20-7 |
| 1283 | Apremilast Impurity 7                        | VS-A077023 | 1384441-38-6 |
| 1284 | Apremilast Impurity 8                        | VS-A077024 | 2096492-44-1 |
| 1285 | Apremilast Impurity 9                        | VS-A077025 | 1831833-38-5 |
| 1286 | Apremilast Impurity 10                       | VS-A077026 | 608141-42-0  |
| 1287 | Apremilast Impurity 11                       | VS-A077027 | 1384439-80-8 |
| 1288 | Apremilast Impurity 12                       | VS-A077028 | 1384440-16-7 |
| 1289 | Apremilast Impurity 13                       | VS-A077029 | 1384439-79-5 |
| 1290 | Apremilast Impurity 14                       | VS-A077030 | 2487573-05-5 |
| 1291 | Apremilast Impurity 15                       | VS-A077031 | 2096492-43-0 |
| 1292 | Apremilast Impurity 16                       | VS-A077032 | 2096492-41-8 |
| 1293 | Apremilast Impurity 17                       | VS-A077033 | 2487573-01-1 |
| 1294 | Apremilast Impurity 18                       | VS-A077034 | 2055542-18-0 |
| 1295 | Apremilast Impurity 19                       | VS-A077035 | 52805-46-6   |
| 1296 | Apremilast Impurity 20                       | VS-A077036 | N/A          |
| 1297 | Apremilast Impurity 21                       | VS-A077037 | 60758-86-3   |
| 1298 | Apremilast Impurity 22                       | VS-A077038 | 2077897-93-7 |
| 1299 | Apremilast Impurity 23                       | VS-A077039 | N/A          |
| 1300 | Apremilast Impurity 24                       | VS-A077040 | 2201974-01-6 |
| 1301 | Apremilast Impurity 25                       | VS-A077041 | N/A          |
| 1302 | Desacetyl Apremilast                         | VS-A077042 | 635705-72-5  |
| 1303 | Apremilast Impurity 26                       | VS-A077043 | N/A          |
| 1304 | Apremilast Impurity 27                       | VS-A077044 | 22235-04-7   |
| 1305 | 4-Hydroxy benzonitrile                       | VS-A077045 | 60758-79-4   |
| 1306 | Apremilast Impurity 28                       | VS-A077046 | 2651-55-0    |
| 1307 | Apremilast Impurity 29                       | VS-A077047 | 1956-36-1    |
| 1308 | Apremilast Impurity 30                       | VS-A077048 | 60758-87-4   |
| 1309 | Apremilast Impurity 31                       | VS-A077049 | 247569-89-7  |
| 1310 | Apremilast Impurity 32                       | VS-A077050 | 1450657-28-9 |
| 1311 | Apremilast Impurity 33                       | VS-A077051 | 2139236-60-3 |

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| 1312 | Apremilast Impurity 34                     | VS-A077052 | 608142-27-4  |
| 1313 | Apremilast Impurity 35                     | VS-A077053 | 113579-20-7  |
| 1314 | Apremilast Impurity 36                     | VS-A077054 | 103259-06-9  |
| 1315 | Aprepitant                                 | VS-A078000 | 170729-80-3  |
| 1316 | Aprepitant HCl                             | VS-A078001 | 2563866-47-5 |
| 1317 | Aprepitant (R,S,R)-Isomer                  | VS-A078002 | 1185502-97-9 |
| 1318 | Aprepitant (R,S,S)-Isomer                  | VS-A078003 | 172822-28-5  |
| 1319 | Aprepitant (S,R,R)-Isomer                  | VS-A078004 | 1242175-34-3 |
| 1320 | Aprepitant (S,R,S)-Isomer                  | VS-A078005 | 170902-81-5  |
| 1321 | Aprepitant (S,S,S)-Isomer                  | VS-A078006 | 1242175-40-1 |
| 1322 | Aprepitant EP Impurity A                   | VS-A078007 | 170729-76-7  |
| 1323 | Aprepitant EP Impurity B                   | VS-A078008 | 2348441-62-1 |
| 1324 | Aprepitant EP Impurity C                   | VS-A078009 | 2348441-63-2 |
| 1325 | Aprepitant USP Related Compound A          | VS-A078010 | 1148113-53-4 |
| 1326 | Aprepitant USP Related Compound B          | VS-A078011 | 172822-29-6  |
| 1327 | Aprepitant meta-Fluoro Isomer              | VS-A078012 | 172676-88-9  |
| 1328 | Aprepitant N-Oxide                         | VS-A078013 | 172673-23-3  |
| 1329 | Aprepitant Open-Ring Methyl Ester Impurity | VS-A078014 | 219821-37-1  |
| 1330 | RRS isomer of Aprepitant                   | VS-A078015 | 171338-27-5  |
| 1331 | Aprepitant Impurity 1                      | VS-A078016 | 155742-64-6  |
| 1332 | Aprepitant Impurity 2                      | VS-A078017 | 874460-46-5  |
| 1333 | Aprepitant Impurity 3                      | VS-A078018 | 287930-75-0  |
| 1334 | Aprepitant Impurity 4                      | VS-A078019 | 380499-07-0  |
| 1335 | Aprepitant Impurity 5                      | VS-A078020 | NA           |
| 1336 | N-Nitroso Aprepitant Impurity 2            | VS-A078021 | NA           |
| 1337 | Aprepitant Impurity 6                      | VS-A078022 | 1651828-04-4 |
| 1338 | Aprindine Hydrochloride                    | VS-A079000 | 33237-74-0   |
| 1339 | 2-Indanol                                  | VS-A079001 | 4254-29-9    |
| 1340 | 2,3-Dihydro-1H-inden-2-yl methanesulfonate | VS-A079002 | 777-72-0     |
| 1341 | N-(2-Indanyl)aniline                       | VS-A079003 | 33237-72-8   |
| 1342 | Argatroban Monohydrate                     | VS-A080000 | 141396-28-3  |
| 1343 | Dehydroargatroban                          | VS-A080001 | 951130-92-0  |
| 1344 | Argatroban Aza-aryl N-oxide                | VS-A080002 | N/A          |
| 1345 | Argatroban Impurity A                      | VS-A080003 | 74874-09-2   |
| 1346 | Argatroban Impurity C & D                  | VS-A080004 | 189264-04-8  |
| 1347 | Argatroban Related Compound A              | VS-A080005 | 74874-10-5   |
| 1348 | Argatroban Related Compound B              | VS-A080006 | 79672-38-1   |
| 1349 | Argatroban Related Compound C              | VS-A080007 | 1448301-07-2 |
| 1350 | Boc-L-Nitroarginine                        | VS-A080008 | 2188-18-3    |
| 1351 | Argatroban Methyl Ester Impurity           | VS-A080009 | N/A          |
| 1352 | Argatroban Pentanoic Acid Impurity         | VS-A080010 | 184043-01-4  |
| 1353 | Argatroban Ethyl Sulfonate Impurity        | VS-A080011 | N/A          |
| 1354 | Argatroban Methyl Sulfonate Impurity       | VS-A080012 | N/A          |
| 1355 | Argatroban Impurity 1                      | VS-A080013 | 188659-43-0  |
| 1356 | Argatroban Impurity 2                      | VS-A080014 | 74892-82-3   |
| 1357 | Argatroban Impurity 3                      | VS-A080015 | 1448417-84-2 |
| 1358 | Argatroban Impurity 4                      | VS-A080016 | N/A          |

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| 1359 | Argatroban Impurity 5                                          | VS-A080017 | N/A          |
| 1360 | Argatroban Impurity 6                                          | VS-A080018 | N/A          |
| 1361 | Argatroban Impurity 7                                          | VS-A080019 | 2423016-01-5 |
| 1362 | Argatroban Impurity 8                                          | VS-A080020 | 74892-81-2   |
| 1363 | Argatroban Impurity 9                                          | VS-A080021 | N/A          |
| 1364 | Argatroban Impurity 10                                         | VS-A080022 | 153886-69-2  |
| 1365 | Arginine                                                       | VS-A081000 | 74-79-3      |
| 1366 | Arginine EP Impurity A                                         | VS-A081001 | 56-87-1      |
| 1367 | Arginine EP Impurity B                                         | VS-A081002 | 372-75-8     |
| 1368 | Arginine EP Impurity C                                         | VS-A081003 | 70-26-8      |
| 1369 | L-ARGININE HCL                                                 | VS-A081004 | 1119-34-2    |
| 1370 | Aripiprazole                                                   | VS-A082000 | 129722-12-9  |
| 1371 | Aripiprazole HCl                                               | VS-A082001 | 1026778-41-5 |
| 1372 | Aripiprazole EP Impurity A                                     | VS-A082002 | 22246-18-0   |
| 1373 | Aripiprazole EP Impurity B                                     | VS-A082003 | 119532-26-2  |
| 1374 | Aripiprazole EP Impurity C                                     | VS-A082004 | 203395-81-7  |
| 1375 | Aripiprazole EP Impurity D                                     | VS-A082005 | 203395-82-8  |
| 1376 | Aripiprazole EP Impurity E                                     | VS-A082006 | 129722-25-4  |
| 1377 | Aripiprazole EP Impurity F                                     | VS-A082007 | 573691-09-5  |
| 1378 | Aripiprazole EP Impurity G                                     | VS-A082008 | 1797986-18-5 |
| 1379 | Aripiprazole Inhouse Impurity G                                | VS-A082009 | 129722-20-9  |
| 1380 | Aripiprazole USP Related Compound B                            | VS-A082010 | 889443-20-3  |
| 1381 | Aripiprazole Related Compound B                                | VS-A082011 | 1424858-02-5 |
| 1382 | Aripiprazole USP Related Compound H                            | VS-A082012 | 1796928-63-6 |
| 1383 | Aripiprazole Related Compound 1                                | VS-A082013 | 63309-35-3   |
| 1384 | Chlorobutoxy Dihydroquinolinone                                | VS-A082014 | 120004-79-7  |
| 1385 | Aripiprazole Bromobutoxyquinoline Impurity                     | VS-A082015 | 129722-34-5  |
| 1386 | Aripiprazole Quinolinone Impurity                              | VS-A082016 | 70500-72-0   |
| 1387 | Aripiprazole Diquinoline Butanediol Impurity (USP)             | VS-A082017 | 882880-12-8  |
| 1388 | Aripiprazole 3,4-Dichloro Impurity                             | VS-A082018 | 203395-75-9  |
| 1389 | Aripiprazole 3,4-Dichlorophenyl Piperazine Impurity            | VS-A082019 | 57260-67-0   |
| 1390 | Aripiprazole Butanoic Acid Impurity                            | VS-A082020 | 58899-27-7   |
| 1391 | Aripiprazole N-Bromobutyl Impurity                             | VS-A082021 | 1424857-68-0 |
| 1392 | Aripiprazole Iodobutoxyquinoline Impurity                      | VS-A082022 | 952308-47-3  |
| 1393 | Aripiprazole Methoxybutoxyquinoline Impurity                   | VS-A082023 | 1770391-64-4 |
| 1394 | Aripiprazole N-Isomer                                          | VS-A082024 | 1797983-65-3 |
| 1395 | Aripiprazole Desethylene Impurity                              | VS-A082025 | 1216394-63-6 |
| 1396 | Aripiprazole Di-N-Oxide                                        | VS-A082026 | 573691-13-1  |
| 1397 | Aripiprazole Impurity(OPC 14714)                               | VS-A082027 | 203395-84-0  |
| 1398 | Aripiprazole Hydroxybutyl Impurity                             | VS-A082028 | 870765-38-1  |
| 1399 | Piperazine,1,1'-[ethylidenebis(2,3-dichloro-4,1-phenylene)]bis | VS-A082029 | 519138-48-8  |
| 1400 | Aripiprazole Intermediate Impurity                             | VS-A082030 | 203395-59-9  |
| 1401 | 3-Chloro-N-(4-methoxyphenyl)propanamide                        | VS-A082031 | 19313-87-2   |
| 1402 | Aripiprazole Impurity                                          | VS-A082032 | 17641-08-6   |
| 1403 | Aripiprazole Impurity 1                                        | VS-A082033 | 1391054-74-2 |
| 1404 | Aripiprazole Impurity 2                                        | VS-A082034 | 1424857-93-1 |
| 1405 | Aripiprazole Impurity 3                                        | VS-A082035 | 1359829-23-4 |

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| 1406 | Aripiprazole Impurity 4                                               | VS-A082036 | 1424857-63-5 |
| 1407 | Aripiprazole Impurity 5                                               | VS-A082037 | 52749-50-5   |
| 1408 | Aripiprazole Impurity 6                                               | VS-A082038 | 63386-61-8   |
| 1409 | Aripiprazole Impurity 7 HCl                                           | VS-A082039 | 2748335-71-7 |
| 1410 | Aripiprazole Impurity 8                                               | VS-A082040 | 1424857-89-5 |
| 1411 | Aripiprazole Impurity 9                                               | VS-A082041 | 573691-11-9  |
| 1412 | Aripiprazole Impurity 10                                              | VS-A082042 | 203395-78-2  |
| 1413 | Aripiprazole Impurity 11                                              | VS-A082043 | N/A          |
| 1414 | Aripiprazole Impurity 12                                              | VS-A082044 | 795313-24-5  |
| 1415 | Aripiprazole Impurity 14                                              | VS-A082045 | 30389-33-4   |
| 1416 | Aripiprazole Impurity 15                                              | VS-A082046 | 2250243-33-3 |
| 1417 | Aripiprazole Impurity 18                                              | VS-A082047 | 2250242-47-6 |
| 1418 | Aripiprazole Impurity 19                                              | VS-A082048 | N/A          |
| 1419 | Aripiprazole Impurity 21                                              | VS-A082049 | 771-19-7     |
| 1420 | Aripiprazole Impurity 23                                              | VS-A082050 | N/A          |
| 1421 | Aripiprazole Impurity 25                                              | VS-A082051 | 50297-40-0   |
| 1422 | Aripiprazole Impurity 26                                              | VS-A082052 | N/A          |
| 1423 | Aripiprazole Impurity 27                                              | VS-A082053 | 874661-64-0  |
| 1424 | Aripiprazole Impurity 28                                              | VS-A082054 | N/A          |
| 1425 | Aripiprazole Impurity 29                                              | VS-A082055 | N/A          |
| 1426 | Aripiprazole Impurity 30                                              | VS-A082056 | N/A          |
| 1427 | Aripiprazole Impurity 31                                              | VS-A082057 | 1006607-63-1 |
| 1428 | Aripiprazole Impurity B                                               | VS-A082058 | 41202-77-1   |
| 1429 | ARP Stage-III standard (Aripiprazole Para Toluene Sulphonic Aci Salt) | VS-A082059 | NA           |
| 1430 | Dehydro Aripiprazole Hydrochloride                                    | VS-A082060 | 1008531-60-9 |
| 1431 | Artemether                                                            | VS-A083000 | 71963-77-4   |
| 1432 | Artemether EP Impurity A                                              | VS-A083001 | 1093625-96-7 |
| 1433 | Artemether EP Impurity C                                              | VS-A083002 | 181528-64-3  |
| 1434 | Artemether USP Related Compound A                                     | VS-A083003 | 71939-50-9   |
| 1435 | Artemether USP Related Compound B                                     | VS-A083004 | 71939-51-0   |
| 1436 | Artemether Dimer Impurity                                             | VS-A083005 | N/A          |
| 1437 | Artemisinin Related Impurity                                          | VS-A083006 | N/A          |
| 1438 | Arteannunin                                                           | VS-A083007 | N/A          |
| 1439 | Artemether Tricarbonyl Impurity                                       | VS-A083008 | N/A          |
| 1440 | Artemether Impurity 1                                                 | VS-A083009 | N/A          |
| 1441 | Artemether Impurity 2                                                 | VS-A083010 | N/A          |
| 1442 | Artemether Impurity 3                                                 | VS-A083011 | N/A          |
| 1443 | Artemether Impurity 4                                                 | VS-A083012 | N/A          |
| 1444 | Artemether Impurity 5                                                 | VS-A083013 | N/A          |
| 1445 | Artemether Impurity 6                                                 | VS-A083014 | N/A          |
| 1446 | Artemether Impurity 7                                                 | VS-A083015 | N/A          |
| 1447 | Artemether Impurity 8                                                 | VS-A083016 | N/A          |
| 1448 | Artemether Impurity 9                                                 | VS-A083017 | N/A          |
| 1449 | Artemisinin                                                           | VS-A084000 | 63968-64-9   |
| 1450 | Artemisinin Impurity B                                                | VS-A084001 | 113472-97-2  |
| 1451 | Artemisitene (Methyl Artemisinin)                                     | VS-A084002 | 101020-89-7  |
| 1452 | Dihydro Artemisinin (α,β Mixture)                                     | VS-A084003 | 131175-87-6  |



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| 1453 | Dihydroartemisinin Tetrafurano Acetate         | VS-A084004 | 198817-95-7  |
| 1454 | 3-Hydroxy-Desoxydihydro Artemisinin            | VS-A084005 | 126641-61-0  |
| 1455 | Dihydroartemisinin D-Glucuronide               | VS-A084006 | 198976-06-6  |
| 1456 | Artemisinic Acid                               | VS-A084007 | 80286-58-4   |
| 1457 | Amorphadiene                                   | VS-A084008 | 92692-39-2   |
| 1458 | Artemisinic Alcohol                            | VS-A084009 | 125184-95-4  |
| 1459 | Artemisinic Aldehyde                           | VS-A084010 | 125276-60-0  |
| 1460 | Deoxy Artemisinin                              | VS-A084011 | 72826-63-2   |
| 1461 | 9,10-Anhydrodihydro Artemisinin                | VS-A084012 | 82596-30-3   |
| 1462 | Dihydro Artemisinic Acid                       | VS-A084013 | 85031-59-0   |
| 1463 | Artemisinic Acid Carbonate Impurity            | VS-A084014 | 1574328-06-5 |
| 1464 | Arteannuin H                                   | VS-A084015 | 207446-83-1  |
| 1465 | Diketo aldehyde impurity of dihydroartemisinin | VS-A084016 | N/A          |
| 1466 | Deoxy-Dihydroartemisinin                       | VS-A084017 | 72807-92-2   |
| 1467 | Dihydro Artemisinin Dimer                      | VS-A084018 | 150358-71-7  |
| 1468 | Artemisinin Impurity 1                         | VS-A084019 | N/A          |
| 1469 | Dihydro Artemisinin D3                         | VS-A084020 | 176774-98-4  |
| 1470 | Artesunate                                     | VS-A085000 | 88495-63-0   |
| 1471 | Artesunate Related Compound D                  | VS-A085001 | 93787-88-3   |
| 1472 | Artesunate Peroxy Hemiacetal                   | VS-A085002 | 958447-25-1  |
| 1473 | Ascomycin                                      | VS-A086000 | 104987-12-4  |
| 1474 | Ascomycin 19-Epimer                            | VS-A086001 | N/A          |
| 1475 | Ascorbic Acid EP Impurity A                    | VS-A087001 | 98-01-1      |
| 1476 | Ascorbic Acid EP Impurity C (H2O)              | VS-A087002 | 342385-52-8  |
| 1477 | Ascorbic Acid EP Impurity D                    | VS-A087003 | 3031-98-9    |
| 1478 | Ascorbic Acid EP Impurity F                    | VS-A087004 | 89-65-6      |
| 1479 | Ascorbic Acid EP Impurity G                    | VS-A087005 | 66757-69-5   |
| 1480 | Ascorbic Acid EP Impurity H                    | VS-A087006 | 122046-79-1  |
| 1481 | 3-O-Ethyl-L-ascorbic Acid                      | VS-A087007 | 86404-04-8   |
| 1482 | D-Xylo-2-Hexulosonic Acid                      | VS-A087008 | 16533-48-5   |
| 1483 | D-Xylo-2-hexulosonic Acid Ethyl Ester          | VS-A087009 | 67776-07-2   |
| 1484 | Ascorbyl Palmitate                             | VS-A087010 | 137-66-6     |
| 1485 | Ascorbyl Impurity 1                            | VS-A087011 | 21675-47-8   |
| 1486 | Ascorbic Acid EP Impurity C                    | VS-A087012 | 526-98-7     |
| 1487 | Ascorbic Acid EP Impurity E                    | VS-A087013 | 144-62-7     |
| 1488 | Asenapine                                      | VS-A088000 | 65576-45-6   |
| 1489 | (R,R) Asenapine                                | VS-A088001 | 135883-15-7  |
| 1490 | Asenapine N-Oxide                              | VS-A088002 | N/A          |
| 1491 | Asenapine 11-Hydroxy Impurity                  | VS-A088003 | N/A          |
| 1492 | Asenapine 11-Sulfate Impurity                  | VS-A088004 | N/A          |
| 1493 | Asenapine Lactam Impurity                      | VS-A088005 | 934996-79-9  |
| 1494 | Asenapine N-Desmethyl Impurity                 | VS-A088006 | N/A          |
| 1495 | Asenapine Tetrahydro Impurity                  | VS-A088007 | 129385-60-0  |
| 1496 | Asenapine pyrrole fumarate                     | VS-A088008 | 1688678-60-5 |
| 1497 | Deschloro Asenapine                            | VS-A088009 | 65576-39-8   |
| 1498 | cis-Asenapine                                  | VS-A088010 | 65621-78-5   |
| 1499 | Asenapine Impurity 1                           | VS-A088011 | 129385-59-7  |

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| 1500 | Asenapine Impurity 2                                                 | VS-A088012 | N/A          |
| 1501 | Asenapine Impurity 3                                                 | VS-A088013 | 1847487-56-2 |
| 1502 | Asenapine Impurity 4                                                 | VS-A088014 | 128915-56-0  |
| 1503 | Asenapine Impurity 5                                                 | VS-A088015 | 1422571-39-8 |
| 1504 | Asenapine Impurity 6                                                 | VS-A088016 | 2476-37-1    |
| 1505 | Asenapine Impurity 7                                                 | VS-A088017 | 70958-18-8   |
| 1506 | Asenapine Impurity 8                                                 | VS-A088018 | 70958-20-2   |
| 1507 | Asenapine Impurity 9                                                 | VS-A088019 | 1180843-76-8 |
| 1508 | Asenapine Impurity 10                                                | VS-A088020 | 1162120-35-5 |
| 1509 | Asenapine Impurity 11                                                | VS-A088021 | 13515-93-0   |
| 1510 | Asenapine Impurity 12                                                | VS-A088022 | N/A          |
| 1511 | Asenapine Impurity 13                                                | VS-A088023 | 1012884-46-6 |
| 1512 | Asenapine Impurity 14                                                | VS-A088024 | N/A          |
| 1513 | Asenapine Impurity 15                                                | VS-A088025 | N/A          |
| 1514 | Asenapine Impurity 16                                                | VS-A088026 | N/A          |
| 1515 | Asenapine N-Oxide                                                    | VS-A088027 | 128949-51-9  |
| 1516 | Asenapine Meta Isomer                                                | VS-A088028 | N/A          |
| 1517 | Aspartame                                                            | VS-A089000 | 22839-47-0   |
| 1518 | Aspartame EP Impurity A                                              | VS-A089001 | 02-10-62     |
| 1519 | Aspartame EP Impurity B                                              | VS-A089002 | 13433-09-5   |
| 1520 | rac-Aspartame EP Impurity C                                          | VS-A089003 | 150-30-1     |
| 1521 | Aspartame Impurity 1                                                 | VS-A089004 | 55102-13-1   |
| 1522 | Aspartic Acid                                                        | VS-A090000 | 56-84-8      |
| 1523 | Aspartic Acid EP Impurity A                                          | VS-A090001 | 6915-15-7    |
| 1524 | Aspartic Acid EP Impurity B                                          | VS-A090002 | 110-17-8     |
| 1525 | Aspartic Acid EP Impurity C                                          | VS-A090003 | 56-86-0      |
| 1526 | Aspartic Acid EP Impurity D                                          | VS-A090004 | 56-41-7      |
| 1527 | Aspartic Acid EP Impurity E                                          | VS-A090005 | 110-15-6     |
| 1528 | Aspartic Acid EP Impurity F                                          | VS-A090006 | 56-85-9      |
| 1529 | Aspartic Acid EP Impurity G                                          | VS-A090007 | 70-47-3      |
| 1530 | Aspartic Acid EP Impurity H                                          | VS-A090008 | 110-16-7     |
| 1531 | Aspartic Acid EP Impurity I                                          | VS-A090009 | 1783-96-6    |
| 1532 | Acetylsalicylic Acid EP Impurity A (Aspirin Impurity A)              | VS-A091001 | 99-96-7      |
| 1533 | Acetylsalicylic Acid EP Impurity B (Aspirin Impurity B)              | VS-A091002 | 636-46-4     |
| 1534 | Acetylsalicylic Acid EP Impurity C (Aspirin Impurity C)              | VS-A091003 | 69-72-7      |
| 1535 | Acetylsalicylic Acid EP Impurity D (Aspirin Impurity D)              | VS-A091004 | 530-75-6     |
| 1536 | Acetylsalicylic Acid EP Impurity E (Aspirin Impurity E)              | VS-A091005 | 552-94-3     |
| 1537 | Acetylsalicylic Acid EP Impurity F (Aspirin Impurity F)              | VS-A091006 | 1466-82-6    |
| 1538 | Acetylsalicylic Acid Acyl-D-Glucuronide (Aspirin Acyl-D-Glucuronide) | VS-A091007 | 24719-72-0   |
| 1539 | Aspirin Impurity (2-(2,4-Dihydroxybenzoyl)Benzoic Acid)              | VS-A091008 | 2513-33-9    |
| 1540 | 5-(N-B-D-Glucopyranosylamino) Salicylic Acid                         | VS-A091009 | 123135-21-7  |
| 1541 | Acetylsalicylic Acid Impurity                                        | VS-A091010 | N/A          |
| 1542 | Acetylsalicylic Acid                                                 | VS-A091011 | 50-78-2      |
| 1543 | Salicyl Sulfate Disodium salt                                        | VS-A091012 | 56343-01-2   |
| 1544 | 5-Methoxy Carbonyl Salicylamide                                      | VS-A091013 | 63874-38-4   |
| 1545 | Acetylsalicylic Acid Impurity 1                                      | VS-A091014 | 18698-59-4   |
| 1546 | Atazanavir                                                           | VS-A092000 | 198904-31-3  |

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| 1547 | Atazanavir Hydrazine Analog                             | VS-A092001 | 437713-06-9  |
| 1548 | Atazanavir EP Impurity A                                | VS-A092002 | 4385-62-0    |
| 1549 | Atazanavir EP Impurity B                                | VS-A092003 | 127406-56-8  |
| 1550 | Atazanavir EP Impurity C                                | VS-A092004 | 1192224-24-0 |
| 1551 | Atazanavir EP Impurity D                                | VS-A092005 | N/A          |
| 1552 | Atazanavir EP Impurity E                                | VS-A092006 | 1292296-09-3 |
| 1553 | Atazanavir EP Impurity F                                | VS-A092007 | 1332981-14-2 |
| 1554 | Atazanavir EP Impurity G                                | VS-A092008 | 1332981-16-4 |
| 1555 | Atazanavir EP Impurity H                                | VS-A092009 | N/A          |
| 1556 | Atazanavir EP Impurity I                                | VS-A092010 | N/A          |
| 1557 | Atazanavir EP Impurity J                                | VS-A092011 | 198904-86-8  |
| 1558 | Atazanavir EP Impurity K                                | VS-A092012 | 162537-11-3  |
| 1559 | Atazanavir Impurity B                                   | VS-A092013 | 198904-85-7  |
| 1560 | Atazanavir Impurity C                                   | VS-A092014 | 98760-08-8   |
| 1561 | Atazanavir R,S,S,R-Diastereomer                         | VS-A092015 | 1292296-11-7 |
| 1562 | Atazanavir S,S,R,S-Diastereomer                         | VS-A092016 | 1292296-10-6 |
| 1563 | 5-(hydroxymethyl)furan-2-carbaldehyde                   | VS-A092017 | 67-47-0      |
| 1564 | Atazanavir RS8 Impurity                                 | VS-A092018 | 1292296-12-8 |
| 1565 | Atazanavir RS3 Impurity                                 | VS-A092019 | 765254-57-7  |
| 1566 | Atazanavir sulfate                                      | VS-A092020 | 229975-97-7  |
| 1567 | Atazanavir RS9 Impurity                                 | VS-A092021 | 1292296-13-9 |
| 1568 | Atazanavir RS12 Impurity                                | VS-A092022 | N/A          |
| 1569 | Atazanavir R,R,R,R Isomer                               | VS-A092023 | N/A          |
| 1570 | Atazanavir Hydrazine Analog                             | VS-A092024 | N/A          |
| 1571 | Atazanavir Benzylidenehydrazine Analogue (RS)           | VS-A092025 | N/A          |
| 1572 | Atazanavir R,R,S,S-Diastereomer                         | VS-A092026 | N/A          |
| 1573 | Atazanavir S,R,S,R-Diastereomer                         | VS-A092027 | N/A          |
| 1574 | Atazanavir benzylidenehydrazine carbamate (RSS)         | VS-A092028 | N/A          |
| 1575 | Atazanavir R,R,S,R-Diastereomer                         | VS-A092029 | N/A          |
| 1576 | Atazanavir R,S,R,R-Diastereomer                         | VS-A092030 | N/A          |
| 1577 | Atazanavir Diol Impurity                                | VS-A092031 | 73488-74-1   |
| 1578 | Atazanavir Impurity 2                                   | VS-A092032 | 198904-33-5  |
| 1579 | Atazanavir Impurity 3                                   | VS-A092033 | N/A          |
| 1580 | Atazanavir Impurity 4                                   | VS-A092034 | N/A          |
| 1581 | Atazanavir Impurity 5                                   | VS-A092035 | N/A          |
| 1582 | Atazanavir Impurity 6 (4R,5S-Diastereoisomer of DIBOC)  | VS-A092036 | 1006868-81-0 |
| 1583 | Atazanavir Impurity 7                                   | VS-A092037 | 1192224-26-2 |
| 1584 | Atazanavir Impurity 8                                   | VS-A092038 | 1028634-76-5 |
| 1585 | Atazanavir Impurity 9 (4R,5R-Diastereoisomer of DIBOC)  | VS-A092039 | N/A          |
| 1586 | rac-Atazanavir Impurity 9                               | VS-A092040 | 2666351-84-2 |
| 1587 | Atazanavir Impurity 10 (4S,5R-Diastereoisomer of DIBOC) | VS-A092041 | N/A          |
| 1588 | Atazanavir Impurity 11                                  | VS-A092042 | 2307732-33-6 |
| 1589 | Atazanavir Impurity 12                                  | VS-A092043 | 198904-84-6  |
| 1590 | Atazanavir Impurity 13                                  | VS-A092044 | 257907-05-4  |
| 1591 | Atazanavir Impurity 14                                  | VS-A092045 | 2307784-33-2 |
| 1592 | Atazanavir Impurity 15                                  | VS-A092046 | 857900-54-0  |
| 1593 | Atazanavir Impurity 16                                  | VS-A092047 | 2131010-71-2 |

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| 1594 | Atazanavir Impurity 17 (RSSSS)                                                   | VS-A092048 | N/A          |
| 1595 | Atazanavir Impurity 18 (SRS)                                                     | VS-A092049 | 1003889-62-0 |
| 1596 | Atazanavir Impurity 19                                                           | VS-A092050 | N/A          |
| 1597 | Atazanavir Impurity 24                                                           | VS-A092051 | N/A          |
| 1598 | Atazanavir Impurity 25                                                           | VS-A092052 | N/A          |
| 1599 | Atazanavir Impurity 36                                                           | VS-A092053 | 156990-58-8  |
| 1600 | Atazanavir Hydrazine imp                                                         | VS-A092054 | 198904-87-9  |
| 1601 | N'-(4- Pyridin-2-yl-benzyl)-hydrazinecarboxylic acid sec-butyl ester             | VS-A092055 | NA           |
| 1602 | N-(Methoxycarbonyl)-3-methyl-L-valine 2-[[4-(2-pyridinyl)phenyl]methyl]hydrazide | VS-A092056 | 857904-02-0  |
| 1603 | Atazanavir Impurity 35                                                           | VS-A092057 | 857904-20-2  |
| 1604 | Atazanavir Impurity A                                                            | VS-A092058 | NA           |
| 1605 | S-Boc Olefin Impurity of Atazanavir                                              | VS-A092059 | 107202-43-7  |
| 1606 | Atazanavir Impurity 33                                                           | VS-A092060 | NA           |
| 1607 | Atazanavir Impurity 29                                                           | VS-A092061 | 156474-22-5  |
| 1608 | Atazanavir Impurity 30                                                           | VS-A092062 | 1191091-65-2 |
| 1609 | Atazanavir Di-tert-Butyl Impurity                                                | VS-A092063 | NA           |
| 1610 | Atazanavir Impurity 37                                                           | VS-A092064 | 869285-68-7  |
| 1611 | Atenolol                                                                         | VS-A093000 | 29122-68-7   |
| 1612 | Atenolol EP Impurity A                                                           | VS-A093001 | 17194-82-0   |
| 1613 | Atenolol EP Impurity B                                                           | VS-A093002 | 61698-76-8   |
| 1614 | Atenolol EP Impurity C                                                           | VS-A093003 | 29122-69-8   |
| 1615 | Atenolol EP Impurity D                                                           | VS-A093004 | 115538-83-5  |
| 1616 | Atenolol EP Impurity E                                                           | VS-A093005 | 141650-31-9  |
| 1617 | Atenolol EP Impurity F                                                           | VS-A093006 | 87619-83-8   |
| 1618 | Atenolol EP Impurity G                                                           | VS-A093007 | 56392-14-4   |
| 1619 | Atenolol EP Impurity H                                                           | VS-A093008 | 29277-73-4   |
| 1620 | Atenolol EP Impurity I                                                           | VS-A093009 | 1797116-92-7 |
| 1621 | Atenolol EP Impurity J                                                           | VS-A093010 | 81346-71-6   |
| 1622 | Atenolol R-Isomer                                                                | VS-A093011 | 56715-13-0   |
| 1623 | Atenolol S-Isomer                                                                | VS-A093012 | 93379-54-5   |
| 1624 | Atenolol 2-Hydroxy Impurity                                                      | VS-A093013 | 68373-10-4   |
| 1625 | Atenolol Cyano Epoxide                                                           | VS-A093014 | 35198-42-6   |
| 1626 | Atenolol Amine Impurity                                                          | VS-A093015 | 1042779-86-1 |
| 1627 | Atenolol Impurity 1                                                              | VS-A093016 | 1006729-91-4 |
| 1628 | N-Nitroso-Atenolol                                                               | VS-A093017 | 134720-04-0  |
| 1629 | N-Nitroso Atenolol-d5                                                            | VS-A093018 | NA           |
| 1630 | Atomoxetine Hydrochloride                                                        | VS-A094000 | 82248-59-7   |
| 1631 | Atomoxetine EP Impurity A                                                        | VS-A094001 | 873310-33-9  |
| 1632 | Atomoxetine EP Impurity B                                                        | VS-A094002 | 82857-39-4   |
| 1633 | Atomoxetine EP Impurity C                                                        | VS-A094003 | 1643684-06-3 |
| 1634 | Atomoxetine EP Impurity D                                                        | VS-A094004 | 1643684-05-2 |
| 1635 | Atomoxetine EP Impurity E                                                        | VS-A094005 | 17199-29-0   |
| 1636 | Atomoxetine EP Impurity F                                                        | VS-A094006 | 2727370-25-2 |
| 1637 | Atomoxetine EP Impurity G                                                        | VS-A094007 | 2706536-33-4 |
| 1638 | Atomoxetine EP Impurity H                                                        | VS-A094008 | 42142-52-9   |
| 1639 | Atomoxetine HCl Racemate                                                         | VS-A094009 | 82857-40-7   |

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| 1640 | Atomoxetine N-Desmethyl Impurity       | VS-A094010 | 881995-46-6  |
| 1641 | Atomoxetine Urea Impurity              | VS-A094011 | N/A          |
| 1642 | Atomoxetine 3-Fluoro Impurity Racemate | VS-A094012 | N/A          |
| 1643 | Atomoxetine Related Compound B         | VS-A094013 | 873310-29-3  |
| 1644 | Atomoxetine Related Compound C         | VS-A094014 | 873310-31-7  |
| 1645 | Desmethyl Atomoxetine (HCl)            | VS-A094015 | 1212215-97-8 |
| 1646 | Atomoxetine Impurity 2                 | VS-A094016 | 881995-45-5  |
| 1647 | Atomoxetine Related Compound B HCl     | VS-A094017 | 873310-28-2  |
| 1648 | Atomoxetine N-amide impurity           | VS-A094018 | N/A          |
| 1649 | Desmethyl Atomoxetine                  | VS-A094019 | 1212823-01-2 |
| 1650 | Atomoxetine Impurity 1                 | VS-A094020 | N/A          |
| 1651 | Atomoxetine Impurity 3                 | VS-A094021 | N/A          |
| 1652 | Atomoxetine Impurity 4                 | VS-A094022 | N/A          |
| 1653 | Atosiban Acetate                       | VS-A095000 | 914453-95-5  |
| 1654 | Atosiban Impurity B                    | VS-A095001 | 960411-86-3  |
| 1655 | Atosiban Impurity D                    | VS-A095002 | N/A          |
| 1656 | Atosiban Impurity F                    | VS-A095003 | N/A          |
| 1657 | Atosiban Impurity G                    | VS-A095004 | N/A          |
| 1658 | Atosiban Impurity 1                    | VS-A095005 | 2381861-04-5 |
| 1659 | Atosiban Impurity 2                    | VS-A095006 | 90779-69-4   |
| 1660 | Atovaquone                             | VS-A096000 | 95233-18-4   |
| 1661 | Atovaquone EP Impurity A               | VS-A096001 | 2517583-91-2 |
| 1662 | Atovaquone EP Impurity B               | VS-A096002 | 137732-39-9  |
| 1663 | Atovaquone EP Impurity C               | VS-A096003 | 1809464-27-4 |
| 1664 | Atovaquone EP Impurity D               | VS-A096004 | 129700-41-0  |
| 1665 | Deschloro Atovaquone                   | VS-A096005 | 92458-44-1   |
| 1666 | Didehydroatovaquone Isomer             | VS-A096006 | N/A          |
| 1667 | Atovaquone Related Compound 1          | VS-A096007 | 1346600-43-8 |
| 1668 | Atovaquone Impurity 1                  | VS-A096008 | 91161-85-2   |
| 1669 | Atovaquone Impurity 2                  | VS-A096009 | 49708-81-8   |
| 1670 | Atovaquone Impurity 3                  | VS-A096010 | 95233-36-6   |
| 1671 | Atovaquone Impurity 4                  | VS-A096011 | N/A          |
| 1672 | Atovaquone Impurity 5                  | VS-A096012 | 95233-37-7   |
| 1673 | Atracurium                             | VS-A097000 | 64228-81-5   |
| 1674 | Atracurium EP Impurity A               | VS-A097001 | N/A          |
| 1675 | Atracurium Besylate EP Impurity B      | VS-A097002 | 64228-84-8   |
| 1676 | Atracurium Oxalate EP Impurity B       | VS-A097003 | 96687-52-4   |
| 1677 | Atracurium Besylate EP Impurity C      | VS-A097004 | N/A          |
| 1678 | Atracurium Besylate EP Impurity D      | VS-A097005 | N/A          |
| 1679 | Cisatracurium EP Impurity D            | VS-A097006 | N/A          |
| 1680 | Atracurium EP Impurity E               | VS-A097007 | 87046-73-9   |
| 1681 | Atracurium EP Impurity F               | VS-A097008 | 34866-20-1   |
| 1682 | Atracurium EP Impurity G               | VS-A097009 | 1699-51-0    |
| 1683 | Atracurium EP Impurity H               | VS-A097010 | N/A          |
| 1684 | Atracurium EP Impurity I               | VS-A097011 | N/A          |
| 1685 | Atracurium EP Impurity J               | VS-A097012 | 80-18-2      |
| 1686 | Cis-Atracurium Trifluoroacetate        | VS-A097013 | N/A          |

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| 1687 | Atracurium Besylate Impurity D1 Iodide                                                  | VS-A097014 | N/A          |
| 1688 | Atracurium Impurity C (Mixture of Diastereomers)                                        | VS-A097015 | N/A          |
| 1689 | Atracurium Impurity E (cis-Quaternary Acid)                                             | VS-A097016 | N/A          |
| 1690 | Atracurium Besylate Impurity D2 Iodide (cis-Quaternary Alcohol)                         | VS-A097017 | N/A          |
| 1691 | Atracurium Impurity G (R-Laudanosine)                                                   | VS-A097018 | 85-63-2      |
| 1692 | (R-trans, R'-trans)-Atracurium                                                          | VS-A097019 | N/A          |
| 1693 | (R-cis, R'-trans)-Chloride Atracurium                                                   | VS-A097020 | N/A          |
| 1694 | Atracurium Impurity A1 (trans-Monoquaternary)                                           | VS-A097021 | N/A          |
| 1695 | Atracurium Impurity A2 (cis-Monoquaternary)                                             | VS-A097022 | N/A          |
| 1696 | Atracurium Impurity C1 (trans-Monoacrylate)                                             | VS-A097023 | N/A          |
| 1697 | Atracurium Besilate Impurity C2 Iodide                                                  | VS-A097024 | N/A          |
| 1698 | Atracurium Impurity M (R-cis, R'-cis)-Atracurium                                        | VS-A097025 | N/A          |
| 1699 | Cisatracurium EP Impurity K                                                             | VS-A097026 | N/A          |
| 1700 | Atracurium Impurity K (Mixture of cis, trans, cis, cis(K1 & K2), tans, trans Isomer)    | VS-A097027 | N/A          |
| 1701 | Atracurium Besylate Impurity D Iodide (Mixture of Diastereomers)                        | VS-A097028 | N/A          |
| 1702 | Atracurium Besilate Impurity C1 and C2 Iodide                                           | VS-A097029 | N/A          |
| 1703 | Atracurium Iodide (Mixture of Diastereomers)                                            | VS-A097030 | N/A          |
| 1704 | Atracurium Impurity A1 (trans-Monoquaternary) and A2 (cis-Monoquaternary) Mixture       | VS-A097031 | N/A          |
| 1705 | (R-trans, R-trans)-Atracurium Besylate and (R-cis, R-trans)-Atracurium Besylate Mixture | VS-A097032 | N/A          |
| 1706 | Atracurium Besilate Impurity C1 and C2 Iodide Mixture                                   | VS-A097033 | N/A          |
| 1707 | Atracurium Impurity V (Mixture of Diastereomers)                                        | VS-A097034 | 1075726-90-7 |
| 1708 | (R)-trans-Atracurium Besylate                                                           | VS-A097035 | 96946-46-2   |
| 1709 | (R)-cis-5 $\xi$ -Methyl Atracurium Dibesylate                                           | VS-A097036 | N/A          |
| 1710 | N-Desmethyl-transatracurium Besylate                                                    | VS-A097037 | N/A          |
| 1711 | Trans- Quaternary methyl ester                                                          | VS-A097038 | N/A          |
| 1712 | Trans- Quaternary acid                                                                  | VS-A097039 | N/A          |
| 1713 | Cis- Trans Quaternary acid                                                              | VS-A097040 | N/A          |
| 1714 | Atracurium cis-Quaternary methyl ester                                                  | VS-A097041 | 1075726-88-3 |
| 1715 | R-cis-R'-trans-Atracurium                                                               | VS-A097042 | N/A          |
| 1716 | Atracurium cis-Quaternary Acid                                                          | VS-A097043 | 1075727-06-8 |
| 1717 | Bisacrylate                                                                             | VS-A097044 | 36840-85-4   |
| 1718 | Atracurium Impurity 1                                                                   | VS-A097045 | 41431-32-7   |
| 1719 | Atracurium Impurity 2                                                                   | VS-A097046 | N/A          |
| 1720 | Atracurium Impurity 3 (Cisatracurium-20-Methyl)                                         | VS-A097047 | N/A          |
| 1721 | Atracurium Impurity 4                                                                   | VS-A097048 | N/A          |
| 1722 | Atracurium Impurity 5                                                                   | VS-A097049 | 876290-45-8  |
| 1723 | Atracurium Impurity 7 (R-Tetrahydropapaverine)                                          | VS-A097050 | 50896-90-7   |
| 1724 | Atracurium Impurity 8 (Trans-Quaternary Alcohol)                                        | VS-A097051 | N/A          |
| 1725 | Atracurium Impurity 8 (cis-Quaternary Alcohol)                                          | VS-A097052 | N/A          |
| 1726 | Atracurium Impurity 13                                                                  | VS-A097053 | 24698-43-9   |
| 1727 | Atracurium Impurity 14                                                                  | VS-A097054 | 91950-41-3   |
| 1728 | Atracurium Impurity 15                                                                  | VS-A097055 | 86682-55-5   |
| 1729 | Atripla                                                                                 | VS-A098000 | 731772-50-2  |
| 1730 | Atropine Sulfate Monohydrate                                                            | VS-A099000 | 5908-99-6    |

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| 1731 | Tropine                                                                                 | VS-A099001 | 120-29-6     |
| 1732 | Atropine EP Impurity A                                                                  | VS-A099002 | 500-55-0     |
| 1733 | Atropine EP Impurity B                                                                  | VS-A099003 | 16839-98-8   |
| 1734 | Atropine EP Impurity C                                                                  | VS-A099004 | 552-63-6     |
| 1735 | Atropine EP Impurity D                                                                  | VS-A099005 | 55869-99-3   |
| 1736 | Atropine EP Impurity E                                                                  | VS-A099006 | N/A          |
| 1737 | Atropine EP Impurity F                                                                  | VS-A099007 | 6533-68-2    |
| 1738 | Atropine EP Impurity G                                                                  | VS-A099008 | 21956-47-8   |
| 1739 | Atropine Impurity E (7-hydroxyhyoscyamine) & Atropine Impurity D (6-hydroxyhyoscyamine) | VS-A099009 | N/A          |
| 1740 | Atropine Methyl Bromide                                                                 | VS-A099010 | 2870-71-5    |
| 1741 | 7-hydroxyhyoscyamine                                                                    | VS-A099011 | 949092-65-3  |
| 1742 | Atropine N-Oxide Hydrochloride                                                          | VS-A099012 | 4574-60-1    |
| 1743 | Atropine Impurity 1                                                                     | VS-A099013 | 30269-50-2   |
| 1744 | Avanafil                                                                                | VS-A100000 | 330784-47-9  |
| 1745 | Avanafil Related Compound 1                                                             | VS-A100001 | 330785-82-5  |
| 1746 | Avanafil Related Compound 2                                                             | VS-A100002 | 1364671-62-4 |
| 1747 | Avanafil Related Compound 3                                                             | VS-A100003 | 1364671-52-2 |
| 1748 | Avanafil Dimer Impurity                                                                 | VS-A100004 | N/A          |
| 1749 | Avanafil Dimer Ester Impurity                                                           | VS-A100005 | N/A          |
| 1750 | Avanafil Impurity 1                                                                     | VS-A100006 | 372117-54-9  |
| 1751 | Avanafil Impurity 2                                                                     | VS-A100007 | 372117-53-8  |
| 1752 | Avanafil Impurity 3                                                                     | VS-A100008 | 2520114-39-8 |
| 1753 | Avanafil Impurity 4                                                                     | VS-A100009 | 330784-50-4  |
| 1754 | Avanafil Impurity 5                                                                     | VS-A100010 | 330785-05-2  |
| 1755 | Avanafil Impurity 6                                                                     | VS-A100011 | 330785-83-6  |
| 1756 | Avanafil Impurity 7                                                                     | VS-A100012 | 1638497-25-2 |
| 1757 | Avanafil Impurity 8 ((R)-Avanafil)                                                      | VS-A100013 | 1638497-26-3 |
| 1758 | Avanafil Impurity 9                                                                     | VS-A100014 | 1452128-53-8 |
| 1759 | Avanafil Impurity 10                                                                    | VS-A100015 | 2520113-66-8 |
| 1760 | Avanafil Impurity 11                                                                    | VS-A100016 | 2520113-69-1 |
| 1761 | Avanafil Impurity 12                                                                    | VS-A100017 | N/A          |
| 1762 | Avanafil Impurity 13                                                                    | VS-A100018 | 759408-08-7  |
| 1763 | Avanafil Impurity 14 (Dechloro-(R)-Avanafil)                                            | VS-A100019 | 2250242-21-6 |
| 1764 | Avanafil Impurity 15                                                                    | VS-A100020 | 2520113-98-6 |
| 1765 | Avanafil Impurity 16                                                                    | VS-A100021 | 2520114-03-6 |
| 1766 | Avanafil Impurity 17                                                                    | VS-A100022 | 330786-34-0  |
| 1767 | Avanafil Impurity 18                                                                    | VS-A100023 | 330785-99-4  |
| 1768 | Avanafil Impurity 19                                                                    | VS-A100024 | 2520114-11-6 |
| 1769 | Avanafil Impurity 20                                                                    | VS-A100025 | 2520114-17-2 |
| 1770 | Avanafil Impurity 21                                                                    | VS-A100026 | 2250242-48-7 |
| 1771 | Avanafil Impurity 22                                                                    | VS-A100027 | 2520114-19-4 |
| 1772 | Avanafil Impurity 23                                                                    | VS-A100028 | 1643811-26-0 |
| 1773 | Avanafil Impurity 24                                                                    | VS-A100029 | 2520114-23-0 |
| 1774 | Avanafil Impurity 25                                                                    | VS-A100030 | 2520114-28-5 |
| 1775 | Avanafil Impurity 26                                                                    | VS-A100031 | N/A          |
| 1776 | Avatrombopag                                                                            | VS-A101000 | 570406-98-3  |

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| 1777 | Avatrombopag Ester Impurity         | VS-A101001 | NA           |
| 1778 | Avatrombopag Diamide Impurity       | VS-A101002 | NA           |
| 1779 | Avatrombopag 5-Chloro Acid Impurity | VS-A101003 | NA           |
| 1780 | Axitinib                            | VS-A103000 | 319460-85-0  |
| 1781 | Cis-axitinib                        | VS-A103001 | 885126-40-9  |
| 1782 | Axitinib Acid                       | VS-A103002 | 319462-34-5  |
| 1783 | Axitinib Amide                      | VS-A103003 | 319462-41-4  |
| 1784 | Axitinib N-Formyl Impurity          | VS-A103004 | N/A          |
| 1785 | Axitinib N-Hydroxymethyl Impurity   | VS-A103005 | N/A          |
| 1786 | Axitinib Sulfone                    | VS-A103006 | 1348536-59-3 |
| 1787 | Axitinib Sulfoxide                  | VS-A103007 | 1347304-18-0 |
| 1788 | Axitinib N-Methyl Impurity          | VS-A103008 | N/A          |
| 1789 | Axitinib Adduct -1                  | VS-A103009 | N/A          |
| 1790 | Axitinib Adduct -2                  | VS-A103010 | N/A          |
| 1791 | Axitinib N-Oxide                    | VS-A103011 | N/A          |
| 1792 | Axitinib N-Oxide (E Isomer)         | VS-A103012 | N/A          |
| 1793 | Axitinib Impurity A                 | VS-A103013 | 319472-78-1  |
| 1794 | Axitinib Impurity B                 | VS-A103014 | 944835-85-2  |
| 1795 | Axitinib Impurity C                 | VS-A103015 | 1959572-97-4 |
| 1796 | Axitinib Impurity D                 | VS-A103016 | 1959572-98-5 |
| 1797 | Axitinib Impurity F                 | VS-A103017 | 1443118-73-7 |
| 1798 | Axitinib Impurity H                 | VS-A103018 | 1639137-80-6 |
| 1799 | Axitinib Des Iodo analog            | VS-A103019 | 2242852-05-5 |
| 1800 | 2-Mercapto-N-methyl-benzamide       | VS-A103020 | 20054-45-9   |
| 1801 | Axitinib N-Formyl Impurity          | VS-A103021 | N/A          |
| 1802 | Axitinib N-Hydroxymethyl Impurity   | VS-A103022 | N/A          |
| 1803 | 2-Methyl-5-nitroaniline             | VS-A103023 | 99-55-8      |
| 1804 | 6-Nitroindazole                     | VS-A103024 | 7597-18-4    |
| 1805 | Axitinib Thio Benzamide Impurity    | VS-A103025 | 885126-35-2  |
| 1806 | Axitinib Dimer Impurity 1           | VS-A103026 | 1428728-84-0 |
| 1807 | Axitinib Dimer Impurity 2           | VS-A103027 | 1428728-83-9 |
| 1808 | Axitinib Dimer Impurity 3           | VS-A103028 | 886230-77-9  |
| 1809 | Axitinib Dimer Impurity 4           | VS-A103029 | 886230-76-8  |
| 1810 | Axitinib Dimer Impurity 5           | VS-A103030 | N/A          |
| 1811 | Axitinib Dimer Impurity 6           | VS-A103031 | N/A          |
| 1812 | Axitinib Impurity 1                 | VS-A103032 | N/A          |
| 1813 | Axitinib Impurity 3                 | VS-A103033 | 1348044-24-5 |
| 1814 | Axitinib Impurity 4                 | VS-A103034 | N/A          |
| 1815 | Axitinib Impurity 5                 | VS-A103035 | N/A          |
| 1816 | Axitinib Impurity 6                 | VS-A103036 | N/A          |
| 1817 | Axitinib Impurity 7                 | VS-A103037 | 1443118-72-6 |
| 1818 | Axitinib Impurity 8                 | VS-A103038 | N/A          |
| 1819 | Axitinib Impurity 9                 | VS-A103039 | 2527-58-4    |
| 1820 | Axitinib Impurity 10                | VS-A103040 | 886230-74-6  |
| 1821 | Axitinib Impurity 11                | VS-A103041 | N/A          |
| 1822 | Axitinib Impurity 12                | VS-A103042 | N/A          |
| 1823 | Axitinib Impurity 13                | VS-A103043 | N/A          |



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| 1824 | Axitinib Impurity 14                      | VS-A103044 | N/A          |
| 1825 | Axitinib Impurity 15                      | VS-A103045 | N/A          |
| 1826 | Axitinib Nitroso Impurity 1               | VS-A103046 | N/A          |
| 1827 | Azacididine                               | VS-A104000 | 320-67-2     |
| 1828 | Azacididine USP RC A                      | VS-A104001 | 931-86-2     |
| 1829 | Azacididine USP RC B                      | VS-A104002 | 6974-32-9    |
| 1830 | Azacididine USP RC C                      | VS-A104003 | 4336-46-3    |
| 1831 | Azacididine Related Compound -C Isomer -2 | VS-A104004 | N/A          |
| 1832 | Azacididine Related Compound -C Isomer -3 | VS-A104005 | N/A          |
| 1833 | Azacididine Related Compound -C Isomer -4 | VS-A104006 | 1698011-17-4 |
| 1834 | Azacididine Impurity N                    | VS-A104007 | N/A          |
| 1835 | Tri Acetyl Azacididine                    | VS-A104008 | 10302-78-0   |
| 1836 | 2-Doxy-D-Ribose                           | VS-A104009 | 533-67-5     |
| 1837 | Azacididine Formyl Amidine Analog (USP)   | VS-A104010 | 65126-88-7   |
| 1838 | Azacididine Triphosphate                  | VS-A104011 | 2226-74-6    |
| 1839 | Azacididine Monophosphate                 | VS-A104012 | 2226-72-4    |
| 1840 | Azacididine Diphosphate                   | VS-A104013 | 2226-73-5    |
| 1841 | 5-Azacytosine Dipentose                   | VS-A104014 | 2306050-23-5 |
| 1842 | 6-Amino-5-Azacytosine Pentose             | VS-A104015 | 105331-00-8  |
| 1843 | 6-Methyl-5-Azacytosine Pentose            | VS-A104016 | 105330-94-7  |
| 1844 | N-acetyl Hypoxanthine                     | VS-A104017 | 408531-05-5  |
| 1845 | $\beta$ -Ribofuranose                     | VS-A104018 | 36468-53-8   |
| 1846 | Methyl $\beta$ -D-Ribofuranoside          | VS-A104019 | 7473-45-2    |
| 1847 | Azacididine Impurity 1                    | VS-A104020 | 157771-77-2  |
| 1848 | Azacididine Impurity 2                    | VS-A104021 | N/A          |
| 1849 | Azacididine Impurity 3                    | VS-A104022 | N/A          |
| 1850 | Azacididine Impurity 4                    | VS-A104023 | N/A          |
| 1851 | Azacididine Impurity 5                    | VS-A104024 | N/A          |
| 1852 | Azacididine Impurity 6                    | VS-A104025 | N/A          |
| 1853 | Azacididine Impurity 7                    | VS-A104026 | N/A          |
| 1854 | Azacididine Impurity 9                    | VS-A104027 | 1174733-90-4 |
| 1855 | Azacididine Impurity 10                   | VS-A104028 | 645-92-1     |
| 1856 | Azacididine Impurity 12                   | VS-A104029 | N/A          |
| 1857 | Azacididine Impurity 13                   | VS-A104030 | 1314977-44-0 |
| 1858 | Azacididine Impurity 14                   | VS-A104031 | 915106-20-6  |
| 1859 | Azacididine Impurity 15                   | VS-A104032 | N/A          |
| 1860 | Azacididine Impurity 16                   | VS-A104033 | 28998-36-9   |
| 1861 | Azacididine Impurity 17                   | VS-A104034 | 52523-35-0   |
| 1862 | Azacididine Impurity 18                   | VS-A104035 | N/A          |
| 1863 | Azacididine Impurity 19                   | VS-A104036 | 2508-80-7    |
| 1864 | Azacididine Impurity 20                   | VS-A104037 | N/A          |
| 1865 | Azacididine Impurity 21                   | VS-A104038 | 52783-53-6   |
| 1866 | Azacididine Impurity 22                   | VS-A104039 | N/A          |
| 1867 | Azacididine Impurity 23                   | VS-A104040 | N/A          |
| 1868 | Azacididine Impurity 24                   | VS-A104041 | N/A          |
| 1869 | Azacididine Impurity 25                   | VS-A104042 | N/A          |
| 1870 | Azacididine Impurity 26                   | VS-A104043 | 2508-81-8    |

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| 1871 | Azacididine Related Compound -C Isomer -3         | VS-A104044 | 2775292-14-1 |
| 1872 | Azathioprine                                      | VS-A105000 | 446-86-6     |
| 1873 | Azathioprine EP Impurity A                        | VS-A105001 | 4531-54-8    |
| 1874 | Azathioprine EP Impurity B                        | VS-A105002 | 6112-76-1    |
| 1875 | Azathioprine EP Impurity C                        | VS-A105003 | 4897-25-0    |
| 1876 | Azathioprine EP Impurity D                        | VS-A105004 | 6339-54-4    |
| 1877 | Azathioprine EP Impurity E (Sodium Salt)          | VS-A105005 | 35681-68-6   |
| 1878 | Azathioprine EP Impurity G                        | VS-A105006 | 5581-52-2    |
| 1879 | 7-Nitroso-7H-purine-6-thiol                       | VS-A105007 | N/A          |
| 1880 | Azathioprine Impurity 1                           | VS-A105008 | N/A          |
| 1881 | Azathioprine Impurity E                           | VS-A105009 | 73703-74-9   |
| 1882 | Azelaic Acid                                      | VS-A106000 | 123-99-9     |
| 1883 | Dodecyl Hydrogen Azelate                          | VS-A106001 | 94109-08-7   |
| 1884 | 2-Nonenedioic Acid                                | VS-A106002 | 72461-80-4   |
| 1885 | (E)-2-Nonenedioic Acid                            | VS-A106003 | 757219-33-3  |
| 1886 | Azelaic Acid Impurity 1                           | VS-A106004 | 45289-91-6   |
| 1887 | Azelastine Hydrochloride                          | VS-A107000 | 79307-93-0   |
| 1888 | Azelastine EP Impurity A                          | VS-A107001 | 613-94-5     |
| 1889 | Azelastine EP Impurity B (HCl)                    | VS-A107002 | 117078-69-0  |
| 1890 | Azelastine EP Impurity C                          | VS-A107003 | 53242-76-5   |
| 1891 | Azelastine EP Impurity D                          | VS-A107004 | 53242-88-9   |
| 1892 | Azelastine EP Impurity E                          | VS-A107005 | 20526-97-0   |
| 1893 | (R)-Azelastine HCl                                | VS-A107006 | 153408-28-7  |
| 1894 | (S)-Azelastine HCl                                | VS-A107007 | 153408-27-6  |
| 1895 | N-Desmethyl Azelastine                            | VS-A107008 | 47491-38-3   |
| 1896 | Azelastine 5-Member-Cyclic-Isomer HCl             | VS-A107009 | 117078-70-3  |
| 1897 | Azelastine 3-Chloro-Isomer HCl                    | VS-A107010 | N/A          |
| 1898 | Azelastine N-Oxide                                | VS-A107011 | 640279-88-5  |
| 1899 | (R)-Azelastine N-Oxide (Mixture of Diastereomers) | VS-A107012 | 1346617-18-2 |
| 1900 | (S)-Azelastine N-Oxide                            | VS-A107013 | 1346617-06-8 |
| 1901 | Azelastine Intermediate                           | VS-A107014 | 19869-42-2   |
| 1902 | Phthalazine                                       | VS-A107015 | 253-52-1     |
| 1903 | 1-Phthalazinone                                   | VS-A107016 | 119-39-1     |
| 1904 | 1-Chlorophthalazine                               | VS-A107017 | 5784-45-2    |
| 1905 | N-Methyl-4-aminobutyric acid                      | VS-A107018 | 1119-48-8    |
| 1906 | Azelastine 3-Chloro-Isomer                        | VS-A107019 | 37933-01-0   |
| 1907 | Azelastine Impurity 1 HCl                         | VS-A107020 | N/A          |
| 1908 | Azelastine Impurity 2 HCl                         | VS-A107021 | N/A          |
| 1909 | Azelastine Impurity 3 HCl                         | VS-A107022 | N/A          |
| 1910 | Azelastine EP Impurity B                          | VS-A107023 | 110406-94-5  |
| 1911 | Azelastine Impurity D                             | VS-A107024 | 53242-89-9   |
| 1912 | Azelnidipine                                      | VS-A108000 | 123524-52-7  |
| 1913 | Azilsartan                                        | VS-A109000 | 147403-03-0  |
| 1914 | Azilsartan Impurity A                             | VS-A109001 | 147404-76-0  |
| 1915 | Azilsartan Impurity B                             | VS-A109002 | 1696392-11-6 |
| 1916 | Azilsartan Impurity C                             | VS-A109003 | 1397836-49-5 |
| 1917 | Azilsartan Impurity D                             | VS-A109004 | 1821386-21-3 |

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| 1918 | Azilsartan Impurity E                         | VS-A109005 | 136285-69-3  |
| 1919 | Azilsartan Impurity F                         | VS-A109006 | 1863930-34-0 |
| 1920 | Azilsartan Impurity G                         | VS-A109007 | N/A          |
| 1921 | Azilsartan Impurity H                         | VS-A109008 | N/A          |
| 1922 | Azilsartan Impurity I                         | VS-A109009 | 139481-33-7  |
| 1923 | Azilsartan Impurity J                         | VS-A109010 | 1403474-78-1 |
| 1924 | Azilsartan Impurity K                         | VS-A109011 | 1442400-68-1 |
| 1925 | Azilsartan Impurity L                         | VS-A109012 | 1442400-65-8 |
| 1926 | Azilsartan Impurity M                         | VS-A109013 | 632322-61-3  |
| 1927 | Azilsartan Impurity N                         | VS-A109014 | 2244031-86-3 |
| 1928 | Azilsartan Impurity O                         | VS-A109015 | 2171316-29-1 |
| 1929 | Azilsartan Impurity P                         | VS-A109016 | 1675221-59-6 |
| 1930 | Azilsartan Impurity Q                         | VS-A109017 | 1696392-12-7 |
| 1931 | Azilsartan Impurity R                         | VS-A109018 | 1604812-35-2 |
| 1932 | Azilsartan Ethyl Impurity                     | VS-A109019 | 1403474-70-3 |
| 1933 | Azilsartan Ethyl Ring-opening Impurity        | VS-A109020 | N/A          |
| 1934 | Azilsartan Amidoxime                          | VS-A109021 | 1449029-77-9 |
| 1935 | Azilsartan Kamedoxomil                        | VS-A109022 | 863031-24-7  |
| 1936 | Azilsartan Imidazole Carbonyl Dioxolene Ester | VS-A109023 | 1514933-19-7 |
| 1937 | Azilsartan Impurity 1                         | VS-A109024 | 139481-44-0  |
| 1938 | Azilsartan Impurity 2                         | VS-A109025 | 147403-65-4  |
| 1939 | Azilsartan Impurity 3                         | VS-A109026 | N/A          |
| 1940 | Azilsartan Impurity 4                         | VS-A109027 | 147403-52-9  |
| 1941 | Azilsartan Impurity 5                         | VS-A109028 | 1604812-36-3 |
| 1942 | Azilsartan Impurity 6                         | VS-A109029 | 1417576-00-1 |
| 1943 | Azilsartan Impurity 7                         | VS-A109030 | 431-03-8     |
| 1944 | Azilsartan Impurity 8                         | VS-A109031 | 1417576-01-2 |
| 1945 | Azilsartan Kamedoxomil Related Compound -6    | VS-A109032 | 1417576-02-3 |
| 1946 | Azilsartan Impurity 10                        | VS-A109033 | N/A          |
| 1947 | Azilsartan Impurity 11                        | VS-A109034 | 91526-16-8   |
| 1948 | Azilsartan Impurity 12                        | VS-A109035 | 136304-78-4  |
| 1949 | Azilsartan Impurity 13                        | VS-A109036 | N/A          |
| 1950 | Azilsartan Impurity 14                        | VS-A109037 | 91526-18-0   |
| 1951 | Azilsartan Impurity 15                        | VS-A109038 | N/A          |
| 1952 | Azilsartan Impurity 16                        | VS-A109039 | 1027181-25-4 |
| 1953 | Azilsartan Impurity 17                        | VS-A109040 | N/A          |
| 1954 | Azilsartan Impurity 18                        | VS-A109041 | 1263283-68-6 |
| 1955 | Azilsartan Impurity 19                        | VS-A109042 | N/A          |
| 1956 | Azilsartan Impurity 20                        | VS-A109043 | N/A          |
| 1957 | Azilsartan Impurity 21                        | VS-A109044 | 1883681-10-4 |
| 1958 | Azilsartan Impurity 22                        | VS-A109045 | N/A          |
| 1959 | Azilsartan Medoxomil                          | VS-A110000 | 863031-21-4  |
| 1960 | Azithromycin Dihydrate                        | VS-A111000 | 117772-70-0  |
| 1961 | Azithromycin EP Impurity A                    | VS-A111001 | 76801-85-9   |
| 1962 | Azithromycin EP Impurity B                    | VS-A111002 | 307974-61-4  |
| 1963 | Azithromycin EP Impurity C                    | VS-A111003 | 620169-47-3  |
| 1964 | Azithromycin EP Impurity D                    | VS-A111004 | 612069-26-8  |

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| 1965 | Azithromycin EP Impurity E                          | VS-A111005 | 612069-27-9  |
| 1966 | Azithromycin EP Impurity F                          | VS-A111006 | 612069-28-0  |
| 1967 | Azithromycin EP Impurity G                          | VS-A111007 | 612069-31-5  |
| 1968 | Azithromycin EP Impurity H                          | VS-A111008 | 612069-30-4  |
| 1969 | Azithromycin EP Impurity I                          | VS-A111009 | 172617-84-4  |
| 1970 | Azithromycin EP Impurity J                          | VS-A111010 | 117693-41-1  |
| 1971 | Azithromycin EP Impurity K                          | VS-A111011 | 612534-95-9  |
| 1972 | Azithromycin EP Impurity L                          | VS-A111012 | 90503-06-3   |
| 1973 | Azithromycin EP Impurity M                          | VS-A111013 | 765927-71-7  |
| 1974 | Azithromycin EP Impurity N                          | VS-A111014 | 612069-25-7  |
| 1975 | Azithromycin EP Impurity O                          | VS-A111015 | 763924-54-5  |
| 1976 | Azithromycin Impurity P-Inhouse                     | VS-A111016 | 92594-45-1   |
| 1977 | Azithromycin Impurity Q                             | VS-A111017 | N/A          |
| 1978 | Azithromycin Impurity R                             | VS-A111018 | 161193-44-8  |
| 1979 | 3-Hydroxy Azithromycinoic Acid Sodium Salt          | VS-A111019 | N/A          |
| 1980 | Azaerythromycin A 11,12-hydrogen borate             | VS-A111020 | 194809-66-0  |
| 1981 | 3'-N-Demethyl-3'-N- (phenylsulfonyl) azithromycin   | VS-A111021 | N/A          |
| 1982 | Azithromycin Impurity 1                             | VS-A111022 | 2095879-65-3 |
| 1983 | Azithromycin Impurity 2                             | VS-A111023 | N/A          |
| 1984 | Azithromycin Impurity 3 Sodium Salt                 | VS-A111024 | N/A          |
| 1985 | Azithromycin Impurity 6                             | VS-A111025 | N/A          |
| 1986 | Azithromycin Impurity 7                             | VS-A111026 | 1914946-68-1 |
| 1987 | Azithromycin Impurity 8                             | VS-A111027 | N/A          |
| 1988 | N-Nitroso Azithromycin EP Impurity M                | VS-A111028 | NA           |
| 1989 | Azithromycin                                        | VS-A111029 | 83905-01-5   |
| 1990 | Aztreonam                                           | VS-A112000 | 78110-38-0   |
| 1991 | Aztreonam USP RC A                                  | VS-A112001 | 87500-74-1   |
| 1992 | Aztreonam USP RC B                                  | VS-A112002 | 102586-36-7  |
| 1993 | Aztreonam USP RC D                                  | VS-A112003 | 102579-59-9  |
| 1994 | Aztreonam USP RC E                                  | VS-A112004 | 99341-02-3   |
| 1995 | Aztreonam USP RC F                                  | VS-A112005 | 102579-57-7  |
| 1996 | Aztreonam Desulfo t-Butyl Ester                     | VS-A112006 | N/A          |
| 1997 | Aztreonam Amide                                     | VS-A112007 | 1219444-93-5 |
| 1998 | Aztreonam Isopropyl Ester                           | VS-A112008 | N/A          |
| 1999 | Aztreonam Methyl Ester                              | VS-A112009 | 1255912-98-1 |
| 2000 | Aztreonam t-Butyl Ester                             | VS-A112010 | 330944-50-8  |
| 2001 | Aztreonam Ethyl Ester                               | VS-A112011 | N/A          |
| 2002 | Aztreonam Open-ring desulfatesaztreonam             | VS-A112012 | N/A          |
| 2003 | Aztreonam desulfatesaztreonam                       | VS-A112013 | N/A          |
| 2004 | Aztreonam Desulfated Dimer                          | VS-A112014 | N/A          |
| 2005 | Aztreonam Open-ring desulfatesaztreonam ethyl ester | VS-A112015 | N/A          |
| 2006 | Aztreonam Impurity 1                                | VS-A112016 | N/A          |
| 2007 | Aztreonam Impurity 2                                | VS-A112017 | N/A          |
| 2008 | Aztreonam Impurity 3                                | VS-A112018 | 2195336-17-3 |
| 2009 | Aztreonam Impurity 4                                | VS-A112019 | 80999-51-5   |
| 2010 | Amifostine                                          | VS-A113000 | 20537-88-6   |
| 2011 | Amifostine Trihydrate                               | VS-A113001 | 112901-68-5  |

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| 2012 | Atorvastatin Calcium Trihydrate                                | VS-A114001 | 344423-98-9  |
| 2013 | Atorvastatin EP Impurity A (Sodium)                            | VS-A114002 | 1516864-05-3 |
| 2014 | Atorvastatin EP Impurity B                                     | VS-A114003 | 842103-12-2  |
| 2015 | Atorvastatin USP Related Compound B (Calcium)                  | VS-A114004 | 887196-25-0  |
| 2016 | Atorvastatin USP Related Compound B (Sodium)                   | VS-A114005 | 1060754-19-9 |
| 2017 | Atorvastatin EP Impurity C                                     | VS-A114006 | 693794-20-6  |
| 2018 | Atorvastatin EP Impurity D (Atorvastatin Impurity D1)          | VS-A114007 | 148146-51-4  |
| 2019 | Atorvastatin EP Impurity E (Sodium Salt)                       | VS-A114008 | 1428118-38-0 |
| 2020 | Atorvastatin EP Impurity E (Calcium Salt)                      | VS-A114009 | 1105067-88-6 |
| 2021 | Atorvastatin EP Impurity F                                     | VS-A114010 | 887196-24-9  |
| 2022 | Atorvastatin EP Impurity F (Calcium Salt)                      | VS-A114011 | 1105067-87-5 |
| 2023 | Atorvastatin EP Impurity G                                     | VS-A114012 | 887324-53-0  |
| 2024 | Atorvastatin EP Impurity G (Calcium Salt)                      | VS-A114013 | 887196-29-4  |
| 2025 | Atorvastatin EP Impurity H                                     | VS-A114014 | 125995-03-1  |
| 2026 | Atorvastatin EP Impurity I                                     | VS-A114015 | 125971-95-1  |
| 2027 | Atorvastatin EP Impurity J                                     | VS-A114016 | 1105067-93-3 |
| 2028 | Atorvastatin EP Impurity M                                     | VS-A114017 | 1146977-93-6 |
| 2029 | Atorvastatin EP Impurity K                                     | VS-A114018 | 345891-62-5  |
| 2030 | Atorvastatin EP Impurity N                                     | VS-A114019 | 134395-00-9  |
| 2031 | Atorvastatin EP Impurity P                                     | VS-A114020 | 581772-29-4  |
| 2032 | Atorvastatin EP Impurity P (Sodium salt)                       | VS-A114021 | 862260-38-6  |
| 2033 | Atorvastatin EP Impurity Q                                     | VS-A114022 | 906552-18-9  |
| 2034 | Atorvastatin Epoxy Pyrrolooxazin Tricyclic Analog              | VS-A114023 | N/A          |
| 2035 | Atorvastatin Pyrrolidone Analog Sodium salt (USP)              | VS-A114024 | 148217-40-7  |
| 2036 | (3R,5S)-Atorvastatin                                           | VS-A114025 | 651770-09-1  |
| 2037 | Atorvastatin (3S,5R)-Isomer Methyl Ester                       | VS-A114026 | N/A          |
| 2038 | Atorvastatin 2,3,4,5-Dianhydro Acid                            | VS-A114027 | 2588261-49-6 |
| 2039 | Atorvastatin 2,3-Anhydro Lactone                               | VS-A114028 | 442851-50-5  |
| 2040 | Atorvastatin 2-Fluoro Analog                                   | VS-A114029 | 2243639-97-4 |
| 2041 | Atorvastatin 2-Fluoro t-Butyl Ester                            | VS-A114030 | N/A          |
| 2042 | Atorvastatin 2-Hydroxy Analog                                  | VS-A114031 | 214217-86-4  |
| 2043 | Atorvastatin 2-Hydroxy Lactone                                 | VS-A114032 | 163217-74-1  |
| 2044 | Atorvastatin 2-Hydroxy Analog Sodium salt                      | VS-A114033 | 163217-75-2  |
| 2045 | Atorvastatin 3-Deoxy-Hept-2-Enoic Acid Ethyl Ester             | VS-A114034 | 1624328-52-4 |
| 2046 | Atorvastatin Acid Sodium salt                                  | VS-A114035 | 134523-01-6  |
| 2047 | Atorvastatin EP Impurity O                                     | VS-A114036 | N/A          |
| 2048 | Atorvastatin 3-Oxo Methyl Ester                                | VS-A114037 | 110862-47-0  |
| 2049 | Atorvastatin 3-Oxopropyl Impurity                              | VS-A114038 | 110862-46-9  |
| 2050 | Atorvastatin 4-Hydroxy Calcium                                 | VS-A114039 | 1263176-34-6 |
| 2051 | Atorvastatin 4-Hydroxy Disodium Salt                           | VS-A114040 | 214217-88-6  |
| 2052 | Atorvastatin 4-Hydroxy Lactone                                 | VS-A114041 | 163217-70-7  |
| 2053 | Atorvastatin 5-O-Methyl Sodium                                 | VS-A114042 | N/A          |
| 2054 | Atorvastatin 5-Oxo Acid                                        | VS-A114043 | 1391052-82-6 |
| 2055 | Atorvastatin Acetonide Methyl Ester                            | VS-A114044 | 1353049-81-6 |
| 2056 | Atorvastatin Acetonide t-Butyl Ester (3S,5S)-Isomer            | VS-A114045 | 472967-95-6  |
| 2057 | Atorvastatin Acetonide t-Butyl Ester (4S, 6R)-Isomer           | VS-A114046 | 1105067-90-0 |
| 2058 | Atorvastatin Acetonide t-Butyl Ester Side Chain (4R,6R)-Isomer | VS-A114047 | 125971-94-0  |

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| 2059 | Atorvastatin Acetonide t-Butyl Ester Side Chain (4R,6S)-Isomer             | VS-A114048 | 196085-84-4  |
| 2060 | Atorvastatin Acetonide t-Butyl Ester Side Chain (4S,6R)-Isomer             | VS-A114049 | 186508-95-2  |
| 2061 | Atorvastatin Acetonide t-Butyl Ester Side Chain (4S,6S)-Isomer             | VS-A114050 | 196085-85-5  |
| 2062 | Atorvastatin Acid                                                          | VS-A114051 | 134523-00-5  |
| 2063 | Atorvastatin Acid Isopropyl Ester                                          | VS-A114052 | 1035205-25-4 |
| 2064 | Atorvastatin Acyl-beta-D-Glucuronide                                       | VS-A114053 | 463962-58-5  |
| 2065 | Atorvastatin Diepoxide Calcium Salt                                        | VS-A114054 | 1807481-01-1 |
| 2066 | Atorvastatin Diepoxide Lactone                                             | VS-A114055 | 2591410-14-7 |
| 2067 | Atorvastatin Diketo Amide 2-Fluoro Analog                                  | VS-A114056 | 1797905-42-0 |
| 2068 | Atorvastatin Diketo Amide Impurity                                         | VS-A114057 | 125971-96-2  |
| 2069 | Atorvastatin Diketoene Impurity                                            | VS-A114058 | 1331869-19-2 |
| 2070 | Atorvastatin Epoxy Tetrahydrofuran Analog (USP) (Atorvastatin Impurity D2) | VS-A114059 | 873950-19-7  |
| 2071 | Atorvastatin Epoxy Pyrrolooxazin 7-Hydroxy Analog Sodium salt (USP)        | VS-A114060 | 1315629-79-8 |
| 2072 | Atorvastatin Epoxy Pyrrolooxazin 6-Hydroxy Analog (USP) (SODIUM SALT)      | VS-A114061 | 1316291-19-6 |
| 2073 | Atorvastatin Lactone 3-O-Methyl Ether                                      | VS-A114062 | N/A          |
| 2074 | Atorvastatin Lactone Dimer                                                 | VS-A114063 | N/A          |
| 2075 | Atorvastatin Oxirane Impurity                                              | VS-A114064 | 1246818-88-1 |
| 2076 | Atorvastatin Pyrrolidone Lactone                                           | VS-A114065 | 906552-19-0  |
| 2077 | Atorvastatin Pyrrolidone Methyl Ester                                      | VS-A114066 | 1795790-02-1 |
| 2078 | Atorvastatin Pyrrolidone Phenanthrene Calcium salt                         | VS-A114067 | 148127-12-2  |
| 2079 | Atorvastatin Pyrrolidone Phenanthrene Lactone                              | VS-A114068 | 1795791-15-9 |
| 2080 | Atorvastatin Pyrrolidone Phenanthrene Methyl Ester                         | VS-A114069 | 906552-20-3  |
| 2081 | Atorvastatin Pyrrolidone Phenanthrene Sodium salt (R,R)                    | VS-A114070 | 1428125-03-4 |
| 2082 | Atorvastatin Phenyl Amino Impurity                                         | VS-A114071 | N/A          |
| 2083 | (3R,5S)-Atorvastatin Calcium salt                                          | VS-A114072 | N/A          |
| 2084 | Defluoro Atorvastatin Acetonide tert-Butyl Ester                           | VS-A114073 | 1105067-91-1 |
| 2085 | Atorvastatin Diamino Impurity                                              | VS-A114074 | 1116118-82-1 |
| 2086 | Atorvastatin Calcium                                                       | VS-A114075 | 134523-03-8  |
| 2087 | Atorvastatin Amide                                                         | VS-A114076 | 2125501-02-0 |
| 2088 | Atorvastatin Sodium Salt Impurity C                                        | VS-A114077 | 1807481-00-0 |
| 2089 | Pyrrolidone Atorvastatin                                                   | VS-A114078 | 496060-54-9  |
| 2090 | Phenanthrene Atorvastatin                                                  | VS-A114079 | 1046533-62-3 |
| 2091 | Atorvastatin (3S,5S) Enantiomer                                            | VS-A114080 | 501121-34-2  |
| 2092 | Atorvastatin Pyrrolidine Phenanthrene Calcium                              | VS-A114081 | N/A          |
| 2093 | Atorvastatin Impurity 11                                                   | VS-A114082 | 616201-27-5  |
| 2094 | Atorvastatin Impurity 12                                                   | VS-A114083 | N/A          |
| 2095 | Atorvastatin Impurity 13                                                   | VS-A114084 | 62148-67-8   |
| 2096 | Atorvastatin Impurity 14                                                   | VS-A114085 | 1403667-07-1 |
| 2097 | Atorvastatin Impurity 15                                                   | VS-A114086 | 444577-70-2  |
| 2098 | Atorvastatin Impurity 16                                                   | VS-A114087 | 363599-73-9  |
| 2099 | Atorvastatin Impurity 17                                                   | VS-A114088 | 666714-64-3  |
| 2100 | Atorvastatin Impurity 18                                                   | VS-A114089 | 141942-85-0  |
| 2101 | Atorvastatin Impurity 19                                                   | VS-A114090 | N/A          |
| 2102 | Atorvastatin Impurity 20                                                   | VS-A114091 | 873950-18-6  |
| 2103 | Atorvastatin Impurity 21                                                   | VS-A114092 | N/A          |
| 2104 | Atorvastatin EP Impurity O                                                 | VS-A114093 | 887196-30-7  |

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| 2105 | Atorvastatin Lactone Diepoxide                    | VS-A114094 | 1046118-40-4 |
| 2106 | Dihydroxy Diketo Atorvastatin Impurity            | VS-A114095 | 1046118-44-8 |
| 2107 | (3R,5S)-Atorvastatin (Sodium Salt)                | VS-A114096 | 131275-93-9  |
| 2108 | rac-3-Oxo Atorvastatin (Sodium Salt)              | VS-A114097 | 1391052-00-8 |
| 2109 | 4-Hydroxy-Atorvastatin (Calcium Salt)             | VS-A114098 | 265989-44-4  |
| 2110 | 2-Hydroxy Atorvastatin (Calcium Salt)             | VS-A114099 | 265989-46-6  |
| 2111 | Atorvastatin EP Impurity C (Calcium Salt)         | VS-A114100 | 693793-53-2  |
| 2112 | Atorvastatin Difluoro Impurity                    | VS-A114101 | 693793-82-7  |
| 2113 | Atorvastatin Acid Impurity A                      | VS-A114102 | 433289-83-9  |
| 2114 | Atorvastatin lactone diepoxide                    | VS-A114103 | 842162-99-6  |
| 2115 | Atorvastatin Diepoxide                            | VS-A114104 | 887470-43-1  |
| 2116 | 5-DEHYDROXY (3S)-ATORVASTATIN                     | VS-A114105 | 887196-26-1  |
| 2117 | Atorvastatin Lactam impurity                      | VS-A114106 | 906552-18-9  |
| 2118 | Atorvastatin EP Impurity E                        | VS-A114107 | 501121-34-2  |
| 2119 | Atorvastatin EP Impurity A (Calcium salt)         | VS-A114108 | 433289-83-9  |
| 2120 | Atorvastatin EP Impurity A                        | VS-A114109 | 433289-84-0  |
| 2121 | Atorvastatin Impurity 22                          | VS-A114110 | 2514955-94-1 |
| 2122 | Atorvastatin Impurity 23                          | VS-A114111 | 40281-50-3   |
| 2123 | Atorvastatin PAR4C impurity-G                     | VS-A114112 | NA           |
| 2124 | Atorvastatin Impurity 24                          | VS-A114113 | 2299304-89-3 |
| 2125 | Atorvastatin Triamino Impurity                    | VS-A114114 | NA           |
| 2126 | Atorvastatin Impurity 25                          | VS-A114115 | NA           |
| 2127 | Atorvastatin Impurity 26                          | VS-A114116 | NA           |
| 2128 | Atorvastatin Epoxy Pyrrolooxazin 6-Hydroxy Analog | VS-A114117 | 873950-17-5  |
| 2129 | ATORVASTATIN PYRROLIDONE ANALOG                   | VS-A114118 | 691844-60-7  |
| 2130 | Atorvastatin impurity-73                          | VS-A114119 | 1371615-55-2 |
| 2131 | rac-3-Des Hydroxy Atorvastatin                    | VS-A114120 | NA           |
| 2132 | Atorvastatin Impurity 37                          | VS-A114121 | 88675-31-4   |
| 2133 | Avermectin B1                                     | VS-A115000 | 71751-41-2   |
| 2134 | Avermectin B1a                                    | VS-A115001 | 65195-55-3   |
| 2135 | Avermectin B1a Dihydro Analog                     | VS-A115002 | 70288-86-7   |
| 2136 | Avermectin B1b                                    | VS-A115003 | 65195-56-4   |
| 2137 | Doramectin                                        | VS-A115004 | 117704-25-3  |
| 2138 | Avermectin A1a Impurity                           | VS-A115005 | N/A          |
| 2139 | Monosaccharide Avermectin B1a Impurity            | VS-A115006 | N/A          |
| 2140 | 12-demethyl-12-ethyl Avermectin B1a Impurity      | VS-A115007 | N/A          |
| 2141 | Avilamycin                                        | VS-A116000 | 11051-71-1   |
| 2142 | Avilamycin A                                      | VS-A116001 | 69787-79-7   |
| 2143 | Avilamycin B                                      | VS-A116002 | 73240-30-9   |
| 2144 | Abaloparatide                                     | VS-A117000 | 247062-33-5  |
| 2145 | Abamectin                                         | VS-A118000 | 71751-41-2   |
| 2146 | Abemaciclib                                       | VS-A119000 | 1231929-97-7 |
| 2147 | Abemaciclib Impurity 1                            | VS-A119001 | 1180132-17-5 |
| 2148 | Abemaciclib Metabolites M2                        | VS-A119002 | 1231930-57-6 |
| 2149 | Abemaciclib Impurity 2                            | VS-A119003 | 1231930-42-9 |
| 2150 | Abemaciclib Impurity 3                            | VS-A119004 | 414881-11-1  |
| 2151 | Abemaciclib Impurity 4                            | VS-A119005 | NA           |

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| 2152 | Abemaciclib Impurity 5                      | VS-A119006 | NA           |
| 2153 | Abemaciclib D8                              | VS-A119007 | 2088650-53-5 |
| 2154 | Abemaciclib D10                             | VS-A119008 | 2088650-71-7 |
| 2155 | Abemaciclib D5                              | VS-A119009 | 1809251-51-1 |
| 2156 | Abemaciclib D7                              | VS-A119010 | NA           |
| 2157 | Abemaciclib Nitroso Impurity 1              | VS-A119011 | NA           |
| 2158 | Abietic Acid                                | VS-A120000 | 514-10-3     |
| 2159 | Dehydroabietic Acid                         | VS-A120001 | 1740-19-8    |
| 2160 | Acebrophylline                              | VS-A121000 | 96989-76-3   |
| 2161 | Acebrophylline Nitroso Impurity 1           | VS-A121001 | NA           |
| 2162 | Acebrophylline Impurity 1                   | VS-A121002 | 101900-44-1  |
| 2163 | Acedoben D3                                 | VS-A122000 | 57742-39-9   |
| 2164 | Acedoben                                    | VS-A122001 | 556-08-1     |
| 2165 | Dimepranol Acedoben                         | VS-A122002 | 61990-51-0   |
| 2166 | Acenocoumarol                               | VS-A123000 | 152-72-7     |
| 2167 | Acetylisovaleryltylosin Tartrate            | VS-A124000 | 63428-13-7   |
| 2168 | Aclonifen                                   | VS-A125000 | 74070-46-5   |
| 2169 | Aclonifen Impurity 1                        | VS-A125001 | 261764-92-5  |
| 2170 | Aclonifen Impurity 2                        | VS-A125002 | 2138066-55-2 |
| 2171 | Aclonifen Impurity 3                        | VS-A125003 | NA           |
| 2172 | Aclonifen Impurity 4                        | VS-A125004 | 78239-90-4   |
| 2173 | Ademethionine Disulfate Tosylate            | VS-A126000 | 97540-22-2   |
| 2174 | Aflatoxin B1                                | VS-A127000 | 1162-65-8    |
| 2175 | Aflatoxin B2                                | VS-A127001 | 7220-81-7    |
| 2176 | Aflatoxin G1                                | VS-A127002 | 1165-39-5    |
| 2177 | Aflatoxin G2                                | VS-A127003 | 7241-98-7    |
| 2178 | Alosetron                                   | VS-A128000 | 122852-42-0  |
| 2179 | 6-Hydroxy Alosetron                         | VS-A128001 | 128486-89-5  |
| 2180 | Alosetron Impurity 1                        | VS-A128002 | 2518312-31-5 |
| 2181 | Alprazolam EP Impurity A                    | VS-A129000 | 27537-87-7   |
| 2182 | Alprazolam EP Impurity B                    | VS-A129001 | 38150-27-5   |
| 2183 | Alprazolam EP Impurity C                    | VS-A129002 | 36916-19-5   |
| 2184 | Alprazolam EP Impurity D                    | VS-A129003 | NA           |
| 2185 | Alprazolam EP Impurity E                    | VS-A129004 | 719-59-5     |
| 2186 | Alprazolam EP Impurity F                    | VS-A129005 | 37945-07-6   |
| 2187 | Alprazolam EP Impurity G                    | VS-A129006 | 448950-89-8  |
| 2188 | Alprazolam EP Impurity H                    | VS-A129007 | 2203515-05-1 |
| 2189 | Alprazolam EP Impurity I                    | VS-A129008 | NA           |
| 2190 | Alprazolam EP Impurity J                    | VS-A129009 | NA           |
| 2191 | Alprazolam USP Related Compound A           | VS-A129010 | 28910-89-6   |
| 2192 | Triazolam                                   | VS-A129011 | 28911-01-5   |
| 2193 | N-Nitroso Alprazolam USP Related Compound A | VS-A129012 | NA           |
| 2194 | Azafenidin                                  | VS-A130000 | 68049-83-2   |
| 2195 | Amfepramone 13C6                            | VS-A131000 | NA           |
| 2196 | Amfepramone                                 | VS-A131001 | 90-84-6      |
| 2197 | Amidotrizoic Acid Dihydrate                 | VS-A132000 | 50978-11-5   |
| 2198 | Amidotrizoic Acid EP Impurity A             | VS-A132001 | 1713-07-1    |



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| 2199 | Amidotrizoic Acid EP Impurity B    | VS-A132002 | 162193-52-4  |
| 2200 | Amidotrizoic Acid EP Impurity C    | VS-A132003 | 162193-53-5  |
| 2201 | Amidotrizoic Acid EP Impurity D    | VS-A132004 | NA           |
| 2202 | Amidotrizoic Acid EP Impurity E    | VS-A132005 | NA           |
| 2203 | Amidotrizoic Acid Impurity 1       | VS-A132006 | 1383849-83-9 |
| 2204 | Amidotrizoic Acid Impurity 2       | VS-A132007 | 189514-07-6  |
| 2205 | Aminophylline                      | VS-A133000 | 317-34-0     |
| 2206 | Amrubicin                          | VS-A134000 | 110267-81-7  |
| 2207 | Amrubicin Impurity 1               | VS-A134001 | 92395-41-0   |
| 2208 | Anhydrotetracycline Hydrochloride  | VS-A135000 | 13803-65-1   |
| 2209 | Anthraquinone                      | VS-A136000 | 84-65-1      |
| 2210 | Anthraquinone Impurity 1           | VS-A136001 | NA           |
| 2211 | Anthraquinone Impurity 2           | VS-A136002 | 92439-42-4   |
| 2212 | Anthraquinone Impurity 3           | VS-A136003 | 69119-31-9   |
| 2213 | Anthraquinone Impurity 4           | VS-A136004 | NA           |
| 2214 | Anthraquinone Impurity 5           | VS-A136005 | NA           |
| 2215 | Apomorphine EP Impurity A          | VS-A137000 | 641-36-1     |
| 2216 | Apomorphine EP Impurity B          | VS-A137001 | 57-27-2      |
| 2217 | Apomorphine EP Impurity C          | VS-A137002 | NA           |
| 2218 | Apomorphine p-Quinone              | VS-A137003 | 24192-17-4   |
| 2219 | R-(-)-Norapomorphine Hydrochloride | VS-A137004 | 20382-69-8   |
| 2220 | (S)-Apomorphine Hydrochloride      | VS-A137005 | 41035-30-7   |
| 2221 | Aprobarbital                       | VS-A138000 | 77-02-1      |
| 2222 | Diallylmal/Allobarbital butalbital | VS-A138001 | 52-43-7      |
| 2223 | Arbutin                            | VS-A139000 | 497-76-7     |
| 2224 | Armodafinil                        | VS-A140000 | 112111-43-0  |
| 2225 | Armodafinil S-Isomer               | VS-A140001 | 112111-47-4  |
| 2226 | Armodafinil Impurity 1             | VS-A140002 | 112111-45-2  |
| 2227 | Arteether                          | VS-A141000 | 75887-54-6   |
| 2228 | Articaine HCl                      | VS-A142000 | 23964-57-0   |
| 2229 | Articaine EP Impurity A            | VS-A142001 | 1712677-79-6 |
| 2230 | Articaine EP Impurity B            | VS-A142002 | 423163-99-9  |
| 2231 | Articaine EP Impurity C            | VS-A142003 | NA           |
| 2232 | Articaine EP Impurity D            | VS-A142004 | 2602451-78-3 |
| 2233 | Articaine EP Impurity E            | VS-A142005 | NA           |
| 2234 | Articaine EP Impurity F            | VS-A142006 | NA           |
| 2235 | Articaine EP Impurity G            | VS-A142007 | 47066-35-3   |
| 2236 | Articaine EP Impurity H            | VS-A142008 | 2602451-76-1 |
| 2237 | Articaine EP Impurity I            | VS-A142009 | 85006-31-1   |
| 2238 | Articaine EP Impurity J            | VS-A142010 | 1160919-46-9 |
| 2239 | O-Desmethyl Astemizole-d5          | VS-A143000 | NA           |
| 2240 | Astemizole                         | VS-A143001 | 68844-77-9   |
| 2241 | O-Desmethyl Astemizole             | VS-A143002 | 73736-50-2   |
| 2242 | Ataluren                           | VS-A144000 | 775304-57-9  |
| 2243 | Ataluren Impurity 1                | VS-A144001 | 775304-03-5  |
| 2244 | Ataluren Impurity 2                | VS-A144002 | NA           |
| 2245 | Ataluren Impurity 3                | VS-A144003 | 775304-56-8  |

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| 2246 | Ataluren Impurity 4               | VS-A144004 | NA           |
| 2247 | Ataluren Impurity 5               | VS-A144005 | NA           |
| 2248 | Ataluren Impurity 6               | VS-A144006 | 775304-60-4  |
| 2249 | Atrazine                          | VS-A145000 | 1912-24-9    |
| 2250 | Avibactam Sodium                  | VS-A146000 | 1192491-61-4 |
| 2251 | Avibactam Impurity 1              | VS-A146001 | 2306254-34-0 |
| 2252 | Avibactam Impurity 2              | VS-A146002 | 2089462-91-7 |
| 2253 | Avibactam Impurity 3              | VS-A146003 | 2085372-13-8 |
| 2254 | Descarbonyl Avibactam             | VS-A146004 | 2243810-78-6 |
| 2255 | Avobenzene                        | VS-A147000 | 70356-09-1   |
| 2256 | D, L-Amphetamine Racemic Solution | VS-A148000 | 300-62-9     |
| 2257 | Dextroamphetamine-Lactose adduct  | VS-A148001 | NA           |
| 2258 | Dextroamphetamine                 | VS-A148002 | 51-64-9      |
| 2259 | Atipamezole Hydrochloride         | VS-A149000 | 104075-48-1  |
| 2260 | Atipamezole Impurity 1            | VS-A149001 | 1160219-68-0 |
| 2261 | Atipamezole Impurity 2            | VS-A149002 | 1160219-69-1 |
| 2262 | Atipamezole Impurity 3            | VS-A149003 | 2581300-47-0 |
| 2263 | Abametapir                        | VS-A150000 | 1762-34-1    |
| 2264 | Abrocitinib                       | VS-A151000 | 1622902-68-4 |
| 2265 | Abrocitinib Impurity 1            | VS-A151001 | 1622903-13-2 |
| 2266 | Abrocitinib Nitroso Impurity 1    | VS-A151002 | NA           |
| 2267 | Abrocitinib Nitroso Impurity 2    | VS-A151003 | NA           |
| 2268 | Adagrasib                         | VS-A152000 | 2326521-71-3 |
| 2269 | Afobazole                         | VS-A153000 | 173352-21-1  |
| 2270 | Afobazole-D4                      | VS-A153001 | NA           |
| 2271 | Agnuside                          | VS-A154000 | 11027-63-7   |
| 2272 | Alarelin Acetate                  | VS-A155000 | 79561-22-1   |
| 2273 | Aldicarb                          | VS-A156000 | 116-06-3     |
| 2274 | Alfadex                           | VS-A157000 | 10016-20-3   |
| 2275 | Alfadex EP Impurity A             | VS-A157001 | 7585-39-9    |
| 2276 | Alfadex EP Impurity B             | VS-A157002 | 17465-86-0   |
| 2277 | Alfaxalone                        | VS-A158000 | 23930-19-0   |
| 2278 | Alphadolone 21-Acetate            | VS-A158001 | 23930-37-2   |
| 2279 | Alfentanil Hydrochloride          | VS-A159000 | 69049-06-5   |
| 2280 | Alfentanil EP Impurity A          | VS-A159001 | NA           |
| 2281 | Alfentanil EP Impurity B          | VS-A159002 | NA           |
| 2282 | Alfentanil EP Impurity C          | VS-A159003 | 61086-18-8   |
| 2283 | Alfentanil EP Impurity D          | VS-A159004 | NA           |
| 2284 | Alfentanil EP Impurity E          | VS-A159005 | 343608-24-2  |
| 2285 | Alfentanil EP Impurity F          | VS-A159006 | NA           |
| 2286 | Alfentanil EP Impurity G          | VS-A159007 | 119997-52-3  |
| 2287 | Alfentanil EP Impurity H          | VS-A159008 | NA           |
| 2288 | Alitretinoin                      | VS-A160000 | 08-03-00     |
| 2289 | Alitretinoin D5                   | VS-A160001 | 78996-15-3   |
| 2290 | Allylprodine                      | VS-A161000 | 25384-17-2   |
| 2291 | Alphameprodine                    | VS-A162000 | 468-51-9     |
| 2292 | Altiratinib                       | VS-A165000 | 1345847-93-9 |

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| 2293 | Altrenogest                                         | VS-A166000 | 850-52-2     |
| 2294 | Altretamine                                         | VS-A167000 | 645-05-6     |
| 2295 | Altretamine Impurity 1                              | VS-A167001 | 3140-74-7    |
| 2296 | Altretamine Impurity 2                              | VS-A167002 | 2401-64-1    |
| 2297 | Amantadine Hydrochloride                            | VS-A168000 | 665-66-7     |
| 2298 | Amantadine EP Impurity A                            | VS-A168001 | 935-56-8     |
| 2299 | Amantadine EP Impurity B                            | VS-A168002 | 880-52-4     |
| 2300 | Amantadine Impurity 3                               | VS-A168003 | 878-61-5     |
| 2301 | Amantadine                                          | VS-A168004 | 768-94-5     |
| 2302 | Adamantane Impurity 2                               | VS-A168005 | 702-77-2     |
| 2303 | Adamantane-2                                        | VS-A168006 | 6588-68-7    |
| 2304 | Adamantane-3                                        | VS-A168007 | 2460757-92-8 |
| 2305 | 1-(Chloroacetyl amino) Adamantane                   | VS-A168008 | 5689-59-8    |
| 2306 | 1-(Hydroxyacetyl amino) Adamantane                  | VS-A168009 | 98969-47-2   |
| 2307 | 1-(Methoxyacetyl amino) Adamantane                  | VS-A168010 | 42536-56-1   |
| 2308 | 1-Acetyl amino-3,5,7-Trimethyl Adamantane           | VS-A168011 | 15210-64-7   |
| 2309 | Adamantane Impurity 1                               | VS-A168012 | 53398-55-3   |
| 2310 | N-Acetyl Demethyl Memantine                         | VS-A168013 | 778-09-6     |
| 2311 | Adamentane                                          | VS-A168014 | 281-23-2     |
| 2312 | N,N'-(5,7-dimethyl adamantane-1,3-diyl) Diacetamide | VS-A168015 | 14931-70-5   |
| 2313 | 5,7-Dimethyladamantane-1,3-Diamine                  | VS-A168016 | 19385-96-7   |
| 2314 | N-(3-Amino-5,7-dimethyl adamantan-1-yl) Acetamide   | VS-A168017 | 2512210-35-2 |
| 2315 | 1-Methyladamantane                                  | VS-A168018 | 768-91-2     |
| 2316 | 1 Amino-3 Hydroxy Adamantane                        | VS-A168019 | 702-82-9     |
| 2317 | Adamantan-1-ol                                      | VS-A168020 | 768-95-6     |
| 2318 | 1-(1-Adamantyl)ethylamine HCl                       | VS-A168021 | 1501-84-4    |
| 2319 | 2-Aminoadamantane                                   | VS-A168022 | 13074-39-0   |
| 2320 | 2-Hydroxy Adamantane                                | VS-A168023 | 700-57-2     |
| 2321 | 1-Adamantanemethanol                                | VS-A168024 | 770-71-8     |
| 2322 | 5,7-Dimethyladamantane-1,3-Diamine Dihydrochloride  | VS-A168025 | 2135877-44-8 |
| 2323 | 1-(1-Adamantyl)ethylamine                           | VS-A168026 | 13392-28-4   |
| 2324 | Adamantane Impurity 4                               | VS-A168027 | 21912-23-2   |
| 2325 | 1,3,5-Tribromoadamantane                            | VS-A168028 | 707-34-6     |
| 2326 | Adamantane Impurity 5                               | VS-A168029 | 2825-83-4    |
| 2327 | Adamantane Impurity 6                               | VS-A168030 | 121768-37-4  |
| 2328 | 2-Adamantanone                                      | VS-A168031 | 700-58-3     |
| 2329 | 1-Adamantyl Methyl ketone                           | VS-A168032 | 1660-04-4    |
| 2330 | 1,2-Dimethyl Adamantane                             | VS-A168033 | 16207-81-1   |
| 2331 | 1,4-Dimethyl Adamantane                             | VS-A168034 | 16267-35-9   |
| 2332 | 1,3,5,7-Tetrabromo Adamantane                       | VS-A168035 | 7314-86-5    |
| 2333 | Adamantane-1,3-diamine                              | VS-A168036 | 10303-95-4   |
| 2334 | 1,3-Di-(acetyl amino)adamantane                     | VS-A168037 | 59940-35-1   |
| 2335 | 1-Bromo-3,5-Dimethyladamantane D6                   | VS-A168038 | 1189429-92-2 |
| 2336 | 1,3-Dimethyladamantane D6                           | VS-A168039 | 1189501-17-4 |
| 2337 | 1-Azido-3,5-Dimethyladamantane-d6                   | VS-A168040 | 1185104-90-8 |
| 2338 | Amantadine D6                                       | VS-A168041 | 1219805-53-4 |
| 2339 | Amitraz                                             | VS-A169000 | 33089-61-1   |

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| 2340 | Amitraz USP Related Compound A    | VS-A169001  | 60397-77-5   |
| 2341 | Amitraz USP Related Compound B    | VS-A169002  | 33089-74-6   |
| 2342 | Amitraz USP Related Compound C    | VS-A169003  | 16596-04-6   |
| 2343 | Ampelopsin                        | VS-A171000  | 27200-12-0   |
| 2344 | Amphetamine Sulfate               | VS-A172000  | 60-13-9      |
| 2345 | Amphetamine Sulfate EP Impurity A | VS-A172001  | 698-87-3     |
| 2346 | Amphetamine Sulfate EP Impurity B | VS-A172002  | 103-79-7     |
| 2347 | Amphetamine Sulfate EP Impurity C | VS-A172003  | 71031-15-7   |
| 2348 | Amphetamine Sulfate EP Impurity D | VS-A172004  | 100-52-7     |
| 2349 | Dextroamphetamine Lactose Adduct  | VS-A172005  | NA           |
| 2350 | Amphetamine Impurity 1            | VS-A172006  | 42542-10-9   |
| 2351 | Amphetamine Impurity 2            | VS-A172007  | 4764-17-4    |
| 2352 | Amphetamine Impurity 3            | VS-A172008  | 1539266-15-3 |
| 2353 | Amphetamine Impurity 4            | VS-A172009  | 1043868-97-8 |
| 2354 | Amphetamine Impurity 5            | VS-A172010  | 1539266-39-1 |
| 2355 | Amphetamine Impurity 6            | VS-A172011  | 1539266-19-7 |
| 2356 | Amphetamine Impurity 7            | VS-A172012  | 1539266-12-0 |
| 2357 | Amphetamine Impurity 8            | VS-A172013  | 1539266-40-4 |
| 2358 | Amphetamine Impurity 9            | VS-A172014  | 1539266-16-4 |
| 2359 | Amphetamine Impurity 10           | VS-A172015  | 1539266-20-0 |
| 2360 | Amtolmetin Guacil                 | VS-A173000  | 87344-06-7   |
| 2361 | Amtolmetin Guacil Impurity 1      | VS-A173001  | 87344-05-6   |
| 2362 | Amtolmetin Guacil Impurity 3      | VS-A173002  | 93962-13-1   |
| 2363 | Amylmetacresol                    | VS-A174000  | 1300-94-3    |
| 2364 | Amylmetacresol EP Impurity A      | VS-A174001  | 876473-73-3  |
| 2365 | Amylmetacresol EP Impurity B      | VS-A174002  | 108-39-4     |
| 2366 | Amylmetacresol EP Impurity C      | VS-A174003  | NA           |
| 2367 | Amylmetacresol EP Impurity D      | VS-A174004  | 106-44-5     |
| 2368 | Amylmetacresol EP Impurity E      | VS-A174005  | 173851-66-6  |
| 2369 | Amylmetacresol EP Impurity F      | VS-A174006  | 150033-77-5  |
| 2370 | Amylmetacresol EP Impurity G      | VS-A174007  | 1357600-49-7 |
| 2371 | Amylmetacresol EP Impurity H      | VS-A174008  | 539-82-2     |
| 2372 | Amylmetacresol EP Impurity I      | VS-A174009  | 173851-73-5  |
| 2373 | Amylmetacresol EP Impurity J      | VS-A174010  | 10415-86-8   |
| 2374 | Aniracetam                        | VS-A176000  | 72432-10-1   |
| 2375 | Aniracetam Impurity 1             | VS-A176001  | 72432-14-5   |
| 2376 | Arterolane Maleate                | VS-A177 000 | 959520-73-1  |
| 2377 | Asciminib                         | VS-A178000  | 1492952-76-7 |
| 2378 | Astaxanthin                       | VS-A179000  | 472-61-7     |
| 2379 | (rac/meso)-Astaxanthin            | VS-A179001  | 7542-45-2    |
| 2380 | Apocarotenal                      | VS-A179002  | 1107-26-2    |
| 2381 | Neurosporaxanthin                 | VS-A179003  | 2468-88-4    |
| 2382 | Avacopan                          | VS-A181000  | 1346623-17-3 |
| 2383 | N-Nitroso Avacopan                | VS-A181001  | NA           |
| 2384 | Avacopan D8                       | VS-A181002  | 2316781-77-6 |
| 2385 | Avapritinib                       | VS-A182000  | 1703793-34-3 |
| 2386 | Avapritinib Impurity 1            | VS-A182001  | NA           |

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| 2387 | Avapritinib Impurity 2     | VS-A182002 | NA           |
| 2388 | Avapritinib D3             | VS-A182003 | NA           |
| 2389 | Azadirachtin               | VS-A183000 | 11141-17-6   |
| 2390 | Azoxystrobin               | VS-A184000 | 131860-33-8  |
| 2391 | Alafosfalin                | VS-A185000 | 60668-24-8   |
| 2392 | Abiraterone acetate-D3     | VS-A186000 | 2122245-10-5 |
| 2393 | Acenocoumarol-D5           | VS-A186001 | 1185071-64-0 |
| 2394 | Acotiamide-D6              | VS-A186002 | NA           |
| 2395 | Afatinib D6                | VS-A186003 | 1313874-96-2 |
| 2396 | Agomelatine-d3             | VS-A186004 | 1079389-38-0 |
| 2397 | Agomelatine D6             | VS-A186005 | 1079389-42-6 |
| 2398 | Albendazole D3             | VS-A186006 | 1353867-92-1 |
| 2399 | Alcaftadine-d3             | VS-A186007 | 1794775-80-6 |
| 2400 | Alfuzosin D6               | VS-A186008 | 1006717-31-2 |
| 2401 | Alvimopan-d5               | VS-A186009 | 1217616-62-0 |
| 2402 | Ambrisentan D3             | VS-A186010 | 1046116-26-0 |
| 2403 | Apremilast-D3              | VS-A186011 | NA           |
| 2404 | Atazanavir-D6              | VS-A186012 | 1092540-50-5 |
| 2405 | Avobenzene D3              | VS-A186013 | 2518100-58-6 |
| 2406 | Axitinib-d3                | VS-A186014 | 1126623-89-9 |
| 2407 | Baclofen-d4                | VS-A186015 | 1189938-30-4 |
| 2408 | Binimetinib-D3             | VS-A186016 | NA           |
| 2409 | Biopterin-d3               | VS-A186017 | 1217838-71-5 |
| 2410 | Bosentan-D4                | VS-A186018 | 1065472-77-6 |
| 2411 | Brexiprazole-d8            | VS-A186019 | 1427049-19-1 |
| 2412 | Brequinar D3               | VS-A186020 | NA           |
| 2413 | Hydroxy Bupropion-d6       | VS-A186021 | 1216893-18-3 |
| 2414 | Bupropion-d9               | VS-A186022 | 150988-80-0  |
| 2415 | Buspirone-D8               | VS-A186023 | 204395-49-3  |
| 2416 | Candesartan-d5             | VS-A186024 | 1189650-58-5 |
| 2417 | Carbimazole-d3             | VS-A186025 | NA           |
| 2418 | Carbimazole-d5             | VS-A186026 | NA           |
| 2419 | Carvedilol-d4              | VS-A186027 | 1133705-56-2 |
| 2420 | Cibenzoline-d4             | VS-A186028 | NA           |
| 2421 | Cilostazol-D11             | VS-A186029 | 1073608-02-2 |
| 2422 | Citalopram Hydrobromide-D3 | VS-A186030 | NA           |
| 2423 | Cyclizine D3               | VS-A186031 | 1170155-67-5 |
| 2424 | Cyclosporin D4             | VS-A186032 | NA           |
| 2425 | Cyproterone Acetate D3     | VS-A186033 | NA           |
| 2426 | Dabigatran D4              | VS-A186034 | 1618637-32-3 |
| 2427 | Daclatasvir-D6             | VS-A186035 | 1801709-41-0 |
| 2428 | Dapagliflozin-D5           | VS-A186036 | 1204219-80-6 |
| 2429 | Darolutamide D4            | VS-A186037 | NA           |
| 2430 | Dasatinib-d4               | VS-A186038 | 1160297-08-4 |
| 2431 | Deferasirox-d4             | VS-A186039 | 1133425-75-8 |
| 2432 | Desglymidodrine-d6         | VS-A186040 | NA           |
| 2433 | Diazoxide-d3               | VS-A186041 | 1432063-51-8 |

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| 2434 | Digoxin D3              | VS-A186042 | 127299-95-0  |
| 2435 | Diltiazem D4            | VS-A186043 | 112259-41-3  |
| 2436 | Dipyridamole D20        | VS-A186044 | 1189983-52-5 |
| 2437 | Domperidone D6          | VS-A186045 | 1329614-18-7 |
| 2438 | Doxazosin D8            | VS-A186046 | 1126848-44-9 |
| 2439 | Duloxetine D3           | VS-A186047 | NA           |
| 2440 | Edoxaban D6             | VS-A186048 | 1304701-57-2 |
| 2441 | Elagolix d6             | VS-A186049 | NA           |
| 2442 | Eliglustat – D15        | VS-A186050 | NA           |
| 2443 | Enzalutamide D3         | VS-A186051 | 1443331-82-5 |
| 2444 | Enzalutamide D6         | VS-A186052 | 1443331-94-9 |
| 2445 | Erlotinib D6            | VS-A186053 | 1034651-23-4 |
| 2446 | Escitalopram D3 oxalate | VS-A186054 | NA           |
| 2447 | Esomeprazole D3         | VS-A186055 | NA           |
| 2448 | Ethacizine-D5           | VS-A186056 | NA           |
| 2449 | Fedratinib D9           | VS-A186057 | 2226875-48-3 |
| 2450 | Fingolimod D4           | VS-A186058 | 1346747-38-3 |
| 2451 | Fluphenazine-D6         | VS-A186059 | NA           |
| 2452 | Flurbiprofen-d3         | VS-A186060 | 1185133-81-6 |
| 2453 | Gefitinib D3            | VS-A186061 | 1173976-40-3 |
| 2454 | Glasdegib d4            | VS-A186062 | NA           |
| 2455 | Gliclazide D4           | VS-A186063 | 1185039-30-8 |
| 2456 | Granisetron D3          | VS-A186064 | 1224925-76-1 |
| 2457 | Hydroxychloroquine-D5   | VS-A186065 | NA           |
| 2458 | Ibrutinib-d5            | VS-A186066 | 1553977-17-5 |
| 2459 | Ibuprofen D3            | VS-A186067 | 121662-14-4  |
| 2460 | Imatinib D3             | VS-A186068 | 1134803-18-1 |
| 2461 | Ivosidenib-D4           | VS-A186069 | NA           |
| 2462 | Rac Ketoprofen-D3       | VS-A186070 | 159490-55-8  |
| 2463 | Lacosamide D3           | VS-A186071 | 1217689-95-6 |
| 2464 | Lacosamide D6           | VS-A186072 | 1219042-77-9 |
| 2465 | Lasmiditan-D3           | VS-A186073 | NA           |
| 2466 | Ledipasvir-d6           | VS-A186074 | NA           |
| 2467 | Levothyroxine D3        | VS-A186075 | NA           |
| 2468 | Losartan Impurity 21-D4 | VS-A186076 | NA           |
| 2469 | Macitentan D4           | VS-A186077 | 1258428-05-5 |
| 2470 | Mebeverine Acid D5      | VS-A186078 | 2070015-30-2 |
| 2471 | Manidipine-d4           | VS-A186079 | 1189656-59-4 |
| 2472 | Mephenesin-d3           | VS-A186080 | NA           |
| 2473 | Metaxalone D6           | VS-A186081 | 1189944-95-3 |
| 2474 | Methimazole-d3          | VS-A186082 | 1160932-07-9 |
| 2475 | Methotrexate D3         | VS-A186083 | 432545-63-6  |
| 2476 | Metoclopramide D3       | VS-A186084 | 1216522-89-2 |
| 2477 | Metopimazine-d6         | VS-A186085 | 1215315-86-8 |
| 2478 | Midodrine D6            | VS-A186086 | 1188331-46-5 |
| 2479 | Minoxidil D10           | VS-A186087 | 1020718-66-4 |
| 2480 | Monomethyl Fumarate D5  | VS-A186088 | 1616345-45-9 |

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| 2481 | Nadolol D9                            | VS-A186089 | 94513-92-5   |
| 2482 | Nebivolol D4                          | VS-A186090 | NA           |
| 2483 | Nintedanib-D3                         | VS-A186091 | 1624587-84-3 |
| 2484 | Nirmatrelvir D9                       | VS-A186092 | 2861202-76-6 |
| 2485 | Octocrylene-d10                       | VS-A186093 | NA           |
| 2486 | Olanzapine D3                         | VS-A186094 | 786686-79-1  |
| 2487 | Omeprazole D3                         | VS-A186095 | 934293-92-2  |
| 2488 | Ondansetron D3                        | VS-A186096 | 1132757-82-4 |
| 2489 | Oseltamivir D3                        | VS-A186097 | NA           |
| 2490 | Oseltamivir D5 Hydrochloride          | VS-A186098 | 2140263-19-8 |
| 2491 | Osimertinib D6                        | VS-A186099 | 1638281-44-3 |
| 2492 | Oxaceprol-D3                          | VS-A186100 | NA           |
| 2493 | Palbociclib-d8                        | VS-A186101 | 1628752-83-9 |
| 2494 | rac trans-Paroxetine-d4 Hydrochloride | VS-A186102 | 1217753-24-6 |
| 2495 | Pazopanib-d3                          | VS-A186103 | 1219591-97-5 |
| 2496 | perospirone D8                        | VS-A186104 | NA           |
| 2497 | Phenytoin-d10                         | VS-A186105 | 65854-97-9   |
| 2498 | Pitolisant-D10                        | VS-A186106 | 2416991-74-5 |
| 2499 | Pirfenidone-D3                        | VS-A186107 | 1093951-85-9 |
| 2500 | Pitofenone-D4                         | VS-A186108 | NA           |
| 2501 | Prazosin D8                           | VS-A186109 | 1006717-55-0 |
| 2502 | Procyclidine-d5                       | VS-A186110 | NA           |
| 2503 | Propiomazine-D6                       | VS-A186111 | 2714474-32-3 |
| 2504 | Promethazine D6                       | VS-A186112 | 1190043-26-5 |
| 2505 | Propafenone-d5 Hydrochloride          | VS-A186113 | 1346605-05-7 |
| 2506 | Propranolol -D7 hydrochloride         | VS-A186114 | NA           |
| 2507 | Raloxifene-d4                         | VS-A186115 | 1185076-44-1 |
| 2508 | Ranolazine-d3                         | VS-A186116 | 1054624-77-9 |
| 2509 | Ranolazine-D8                         | VS-A186117 | 1092804-88-0 |
| 2510 | Resiquimod-d5                         | VS-A186118 | 2252319-44-9 |
| 2511 | Ritonavir-d6                          | VS-A186119 | 1217720-20-1 |
| 2512 | Ribociclib-D8                         | VS-A186120 | 2167898-24-8 |
| 2513 | Rivastigmine-D6                       | VS-A186121 | 194929-99-2  |
| 2514 | Relugolix-D6                          | VS-A186122 | NA           |
| 2515 | Ruxolitinib D9                        | VS-A186123 | 1513883-55-0 |
| 2516 | Sacubitril D4                         | VS-A186124 | 1884269-07-1 |
| 2517 | Salmeterol D3                         | VS-A186125 | 497063-94-2  |
| 2518 | Sapropterin D3                        | VS-A186126 | NA           |
| 2519 | Sarpogrelate D3                       | VS-A186127 | NA           |
| 2520 | Sarpogrelate D4                       | VS-A186128 | NA           |
| 2521 | Sarpogrelate D6                       | VS-A186129 | NA           |
| 2522 | Scopolamine-d3                        | VS-A186130 | NA           |
| 2523 | Selexipag D6                          | VS-A186131 | 1265295-92-8 |
| 2524 | Sildenafil-D3                         | VS-A186132 | 1126745-90-1 |
| 2525 | Sildenafil D8                         | VS-A186133 | 951385-68-5  |
| 2526 | Silodosin D4                          | VS-A186134 | 1426173-86-5 |
| 2527 | Sofosbuvir D6                         | VS-A186135 | 1868135-06-1 |

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| 2528 | Sumatriptan D6                            | VS-A186136 | 1020764-38-8 |
| 2529 | Tadalafil D3                              | VS-A186137 | 960226-55-5  |
| 2530 | Tamsulosin D4                             | VS-A186138 | 1231943-97-7 |
| 2531 | Tasimelteon D5                            | VS-A186139 | 1962124-51-1 |
| 2532 | Tamatinib D9                              | VS-A186140 | 1260832-48-1 |
| 2533 | Tenofovir Alafenamide-d5                  | VS-A186141 | 1948248-01-8 |
| 2534 | Tetrabenazine-D6                          | VS-A186142 | NA           |
| 2535 | Tepotinib 13CD3                           | VS-A186143 | NA           |
| 2536 | Tiagabine -D5. HCl                        | VS-A186144 | 109857-73-0  |
| 2537 | Timolol-D9 Maleate                        | VS-A186145 | NA           |
| 2538 | Trandolaprilat-D5                         | VS-A186146 | NA           |
| 2539 | Ulipristal Acetate-d3                     | VS-A186147 | 1621894-62-9 |
| 2540 | Ubrogepant-D5                             | VS-A186148 | NA           |
| 2541 | Valsartan D9                              | VS-A186149 | 1089736-73-1 |
| 2542 | Velpatasvir-D3                            | VS-A186150 | 2172676-06-9 |
| 2543 | Venlafaxine-D4                            | VS-A186151 | NA           |
| 2544 | Verapamil-d6                              | VS-A186152 | 1185193-17-2 |
| 2545 | Vericiguat-D3                             | VS-A186153 | NA           |
| 2546 | Vortioxetine-D8                           | VS-A186154 | 2140316-62-5 |
| 2547 | Viloxazine D5                             | VS-A186155 | 117320-32-8  |
| 2548 | Warfarin D5                               | VS-A186156 | 75472-93-4   |
| 2549 | Zileuton D4                               | VS-A186157 | 1189878-76-9 |
| 2550 | Clonazepam D4                             | VS-A186158 | 170082-15-2  |
| 2551 | 7-Amino Clonazepam D4                     | VS-A186159 | 1215070-96-4 |
| 2552 | 4-Hydroxy-3-(methoxy-d3)benzaldehyde      | VS-A186160 | 74495-74-2   |
| 2553 | 3,4-Dihydroxybenzaldehyde-d3              | VS-A186161 | 180028-20-0  |
| 2554 | Baclofen                                  | VS-B001000 | 1134-47-0    |
| 2555 | Baclofen EP Impurity A                    | VS-B001001 | 22518-27-0   |
| 2556 | Baclofen EP Impurity B                    | VS-B001002 | 1141-23-7    |
| 2557 | Dibaclofen Urea                           | VS-B001003 | N/A          |
| 2558 | Bclofen Lactose Adduct                    | VS-B001004 | N/A          |
| 2559 | Dibaclofen Urea Dicyclohexylammonium Salt | VS-B001005 | N/A          |
| 2560 | Baclofen Butyl Ester HCl                  | VS-B001006 | 947583-11-1  |
| 2561 | Dibaclofen Urea Mono Lactum               | VS-B001007 | N/A          |
| 2562 | Gama Hydroxy baclofen                     | VS-B001008 | 1824304-88-2 |
| 2563 | Baclofen Impurity 1                       | VS-B001009 | 53911-68-5   |
| 2564 | Baclofen Impurity 2                       | VS-B001010 | 294194-13-1  |
| 2565 | Baclofen Impurity 3                       | VS-B001011 | 52977-95-4   |
| 2566 | Baclofen Impurity 4                       | VS-B001012 | 2414257-07-9 |
| 2567 | Baclofen Impurity 5                       | VS-B001013 | 35271-74-0   |
| 2568 | Baclofen Impurity 6                       | VS-B001014 | 5045-65-8    |
| 2569 | Baclofen Impurity 7                       | VS-B001015 | 1078-21-3    |
| 2570 | Baclofen Impurity 8                       | VS-B001016 | 69856-22-0   |
| 2571 | Baclofen Impurity 9                       | VS-B001017 | 28311-34-4   |
| 2572 | Baclofen Impurity 10                      | VS-B001018 | 4846-95-1    |
| 2573 | Baclofen Impurity 11                      | VS-B001019 | 137310-15-7  |
| 2574 | Ethyl Acetoacetate                        | VS-B001020 | 141-97-9     |



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| 2575 | Baloxavir Marboxil                 | VS-B002000 | 1985606-14-1 |
| 2576 | Balsalazide Disodium               | VS-B003000 | 213594-60-6  |
| 2577 | 4-Aminobenzyl $\beta$ -alanine     | VS-B003001 | 04-08-77     |
| 2578 | Balsalazide N-Oxide                | VS-B003002 | N/A          |
| 2579 | Balsalazide USP Related Compound A | VS-B003003 | 64896-26-0   |
| 2580 | Balsalazide USP Impurity 1         | VS-B003004 | 1242567-11-8 |
| 2581 | Balsalazide USP Impurity 2         | VS-B003005 | 1242567-09-4 |
| 2582 | Balsalazide USP Impurity 3         | VS-B003006 | 1346606-53-8 |
| 2583 | Balsalazide USP Impurity 4         | VS-B003007 | 1346606-62-9 |
| 2584 | Balsalazide USP Impurity 5         | VS-B003008 | 1346606-13-0 |
| 2585 | Balsalazide Impurity 7             | VS-B003009 | 1798428-91-7 |
| 2586 | Balsalazide Impurity 8             | VS-B003010 | 1242567-13-0 |
| 2587 | Balsalazide Impurity 9             | VS-B003011 | 1242567-08-3 |
| 2588 | Bamifylline Hydrochloride          | VS-B004000 | 20684-06-4   |
| 2589 | Baricitinib                        | VS-B005000 | 1187594-09-7 |
| 2590 | Baricitinib Impurity A             | VS-B005001 | 1187595-85-2 |
| 2591 | Baricitinib Impurity B             | VS-B005002 | 3680-69-1    |
| 2592 | Baricitinib Impurity C             | VS-B005003 | 2055723-13-0 |
| 2593 | Baricitinib Impurity III           | VS-B005004 | N/A          |
| 2594 | Baricitinib Impurity IV            | VS-B005005 | 1187594-34-8 |
| 2595 | Baricitinib Impurity V             | VS-B005006 | N/A          |
| 2596 | Baricitinib Impurity VII           | VS-B005007 | 1187594-35-9 |
| 2597 | Baricitinib Impurity VIII          | VS-B005008 | 2402776-80-9 |
| 2598 | Baricitinib Sulfonyl Impurity      | VS-B005009 | 1187594-13-3 |
| 2599 | Baricitinib Amide Impurity         | VS-B005010 | 2271228-51-2 |
| 2600 | Baricitinib Impurity 2             | VS-B005011 | 2271228-52-3 |
| 2601 | Baricitinib Impurity 3             | VS-B005012 | 1187595-89-6 |
| 2602 | Baricitinib Impurity 5             | VS-B005013 | N/A          |
| 2603 | Baricitinib Impurity 6             | VS-B005014 | 1627504-43-1 |
| 2604 | Baricitinib Impurity 7             | VS-B005015 | 1627504-41-9 |
| 2605 | Baricitinib Impurity 8             | VS-B005016 | 1340173-28-5 |
| 2606 | Baricitinib Impurity 9             | VS-B005017 | 1401222-91-0 |
| 2607 | Baricitinib Diamine Impurity       | VS-B005018 | 952518-97-7  |
| 2608 | Baricitinib Impurity 10            | VS-B005019 | 1187595-90-9 |
| 2609 | Barnidipine Hydrochloride          | VS-B006000 | 104757-53-1  |
| 2610 | Bazedoxifene                       | VS-B007000 | 198481-32-2  |
| 2611 | Bazedoxifene Impurity B            | VS-B007001 | 4495-66-3    |
| 2612 | Bazedoxifene Impurity C            | VS-B007002 | N/A          |
| 2613 | Bazedoxifene Impurity D            | VS-B007003 | 81499-33-4   |
| 2614 | Bazedoxifene Impurity E            | VS-B007004 | 857594-21-9  |
| 2615 | Bazedoxifene Impurity 1            | VS-B007005 | 111000-54-5  |
| 2616 | Bazedoxifene Impurity 2            | VS-B007006 | 2512198-68-2 |
| 2617 | Bazedoxifene Impurity 3            | VS-B007007 | 223251-16-9  |
| 2618 | Bazedoxifene Impurity 4            | VS-B007008 | 223251-09-0  |
| 2619 | Bazedoxifene Impurity 5            | VS-B007009 | 223251-25-0  |
| 2620 | Bazedoxifene N- oxide              | VS-B007010 | 1174289-22-5 |
| 2621 | Beclometasone Dipropionate         | VS-B008000 | 08-09-34     |

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| 2622 | Beclometasone Dipropionate EP Impurity A | VS-B008001 | 69224-79-9   |
| 2623 | Beclometasone Dipropionate EP Impurity B | VS-B008002 | 07-08-34     |
| 2624 | Beclometasone Dipropionate EP Impurity C | VS-B008003 | N/A          |
| 2625 | Beclometasone Dipropionate EP Impurity D | VS-B008004 | 52092-14-5   |
| 2626 | Beclometasone Dipropionate EP Impurity E | VS-B008005 | 887130-68-9  |
| 2627 | Beclometasone Dipropionate EP Impurity F | VS-B008006 | 887130-69-0  |
| 2628 | Beclometasone Dipropionate EP Impurity H | VS-B008007 | 5534-18-9    |
| 2629 | Beclometasone Dipropionate EP Impurity I | VS-B008008 | 52092-12-3   |
| 2630 | Beclometasone Dipropionate EP Impurity J | VS-B008009 | 66917-44-0   |
| 2631 | Beclometasone Dipropionate EP Impurity L | VS-B008010 | 114371-33-4  |
| 2632 | Beclometasone Dipropionate EP Impurity M | VS-B008011 | N/A          |
| 2633 | Beclometasone Dipropionate EP Impurity N | VS-B008012 | 1204582-47-7 |
| 2634 | Beclometasone Dipropionate EP Impurity O | VS-B008013 | 14527-61-8   |
| 2635 | Beclometasone Dipropionate EP Impurity Q | VS-B008014 | N/A          |
| 2636 | Beclometasone Dipropionate EP Impurity R | VS-B008015 | 981-34-0     |
| 2637 | Beclometasone Dipropionate EP Impurity S | VS-B008016 | 1709825-83-1 |
| 2638 | Beclometasone Dipropionate EP Impurity U | VS-B008017 | 79578-39-5   |
| 2639 | Beclometasone Dipropionate EP Impurity V | VS-B008018 | 205105-83-5  |
| 2640 | Beclometasone Dipropionate EP Impurity G | VS-B008019 | 4419-39-0    |
| 2641 | Beclometasone Dipropionate 1             | VS-B008020 | N/A          |
| 2642 | Beclometasone Dipropionate 2             | VS-B008021 | 52618-96-9   |
| 2643 | Dihydroxy Beclometasone                  | VS-B008022 | N/A          |
| 2644 | 1,2-Dihydro Dihydroxy Beclometasone      | VS-B008023 | N/A          |
| 2645 | 16-demethyl epoxide Beclometasone        | VS-B008024 | 06-05-91     |
| 2646 | CIS 1,4-diene-21-ol Beclomethasone       | VS-B008025 | N/A          |
| 2647 | Beclomethasone Bromo Impurity            | VS-B008026 | 1564242-51-8 |
| 2648 | Beclomethasone Impurity 1                | VS-B008027 | N/A          |
| 2649 | Bempedoic Acid                           | VS-B009000 | 738606-46-7  |
| 2650 | Bempedoic Acid Dimer                     | VS-B009001 | N/A          |
| 2651 | Bempedoic Acid Impurity 1                | VS-B009002 | 738606-43-4  |
| 2652 | Bempedoic Acid Impurity 2                | VS-B009003 | 738606-64-9  |
| 2653 | Bempedoic Acid Impurity 3                | VS-B009004 | 2570179-40-5 |
| 2654 | Bempedoic Acid Impurity 4                | VS-B009005 | 30313-67-8   |
| 2655 | Bempedoic Acid Impurity 5                | VS-B009006 | N/A          |
| 2656 | Bempedoic Acid Impurity 6                | VS-B009007 | N/A          |
| 2657 | Bempedoic Acid Impurity 7                | VS-B009008 | N/A          |
| 2658 | Bempedoic Acid Impurity 8                | VS-B009009 | N/A          |
| 2659 | Bempedoic Acid Impurity 9                | VS-B009010 | N/A          |
| 2660 | Bempedoic Acid Impurity 10               | VS-B009011 | 413624-71-2  |
| 2661 | Bempedoic Acid Impurity 11               | VS-B009012 | 39739-46-3   |
| 2662 | Benazepril Hydrochloride                 | VS-B010000 | 86541-74-4   |
| 2663 | Benazepril Hydrochloride EP Impurity A   | VS-B010001 | 131064-75-0  |
| 2664 | Benazepril Hydrochloride EP Impurity B   | VS-B010002 | 98626-50-7   |
| 2665 | Benazepril Hydrochloride EP Impurity C   | VS-B010003 | 86541-78-8   |
| 2666 | Benazepril Hydrochloride EP Impurity D   | VS-B010004 | 112110-48-2  |
| 2667 | Benazepril Hydrochloride EP Impurity E   | VS-B010005 | 88372-47-8   |
| 2668 | Benazepril Hydrochloride EP Impurity F   | VS-B010006 | 109010-60-8  |

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| 2669 | Benazepril Hydrochloride EP Impurity G            | VS-B010007 | 103129-58-4  |
| 2670 | Benazepril tert-Butyl Ester                       | VS-B010008 | 109010-61-9  |
| 2671 | 7-Bromo Analogue Benazepril Impurity              | VS-B010009 | N/A          |
| 2672 | Benazepril USP Related Compound B                 | VS-B010010 | 86541-77-7   |
| 2673 | Benazepril Impurity 2                             | VS-B010011 | 105260-10-4  |
| 2674 | Benazepril Hydrochloride EP Impurity A (HCl Salt) | VS-B010012 | 215447-89-5  |
| 2675 | Benazepril Hydrochloride EP Impurity B (HCl Salt) | VS-B010013 | 88372-39-8   |
| 2676 | Bendamustine                                      | VS-B011000 | 16506-27-7   |
| 2677 | Bendamustine Hydrochloride                        | VS-B011001 | 3543-75-7    |
| 2678 | Bendamustine Isopropyl Ester                      | VS-B011002 | 1313020-25-5 |
| 2679 | Bendamustine Methyl Ester                         | VS-B011003 | N/A          |
| 2680 | Bendamustine Impurity                             | VS-B011004 | 1219709-87-1 |
| 2681 | Bendamustine Ether Impurity                       | VS-B011005 | 2173004-95-8 |
| 2682 | Bendamustine Monohydroxy Acid Ethyl Ester         | VS-B011006 | 898224-95-8  |
| 2683 | Bendamustine Monohydroxy Acid Impurity            | VS-B011007 | 109882-26-0  |
| 2684 | Bendamustine N-Desmethyl Impurity                 | VS-B011008 | 41515-13-3   |
| 2685 | Bendamustine Nitro Ethyl Ester Impurity           | VS-B011009 | 3543-72-4    |
| 2686 | Bendamustine Trihydroxyethyl Dimer Impurity       | VS-B011010 | 1391052-61-1 |
| 2687 | Bendamustine USP Related Compound A               | VS-B011011 | 109882-30-6  |
| 2688 | Bendamustine USP Related Compound C               | VS-B011012 | 3543-74-6    |
| 2689 | Bendamustine USP Related Compound D               | VS-B011013 | 1219709-86-0 |
| 2690 | Bendamustine USP Related Compound G               | VS-B011014 | 191939-34-1  |
| 2691 | Bendamustine USP Related Compound H               | VS-B011015 | 1228551-91-4 |
| 2692 | Bendamustine USP Related Compound I               | VS-B011016 | N/A          |
| 2693 | Bendamustine Mannitol Ester                       | VS-B011017 | 1869075-89-7 |
| 2694 | Bendamustine Monohydroxy Isopropyl Ester Impurity | VS-B011018 | 1797008-41-3 |
| 2695 | Bendamustine Deschloroethyl Acid Ethyl Ester      | VS-B011019 | 2517968-40-8 |
| 2696 | Bendamustine Dideschloroethyl Acid Impurity       | VS-B011020 | 914626-62-3  |
| 2697 | Bendamustine Dimer 2'-Allyl Ester                 | VS-B011021 | N/A          |
| 2698 | Bendamustine Propylene Glycol Ester 1             | VS-B011022 | 1219709-88-2 |
| 2699 | Bendamustine Propylene Glycol Ester 2             | VS-B011023 | 1219709-89-3 |
| 2700 | Bendamustine Propylene Glycol Ester 1 + 2         | VS-B011024 | N/A          |
| 2701 | Bendamustine USP Related Compound E               | VS-B011025 | 109882-27-1  |
| 2702 | Bendamustine Amino Isopropyl Ester Impurity       | VS-B011026 | 1313020-26-6 |
| 2703 | Bendamustine Impurity 1                           | VS-B011027 | 1366085-72-4 |
| 2704 | Bendamustine Impurity 2                           | VS-B011028 | N/A          |
| 2705 | Bendamustine Impurity 3                           | VS-B011029 | 60651-29-8   |
| 2706 | Bendamustine Impurity 4 (Mixture of Isomers)      | VS-B011030 | N/A          |
| 2707 | Bendamustine Impurity 5                           | VS-B011031 | 1138238-08-0 |
| 2708 | Bendamustine Impurity 6                           | VS-B011032 | N/A          |
| 2709 | Bendamustine Impurity 7                           | VS-B011033 | N/A          |
| 2710 | Bendamustine Impurity 8                           | VS-B011034 | N/A          |
| 2711 | Bendamustine Impurity 9                           | VS-B011035 | N/A          |
| 2712 | Bendamustine Impurity 10                          | VS-B011036 | 91644-13-2   |
| 2713 | Bendamustine Impurity 11                          | VS-B011037 | N/A          |
| 2714 | Bendamustine Impurity 12                          | VS-B011038 | N/A          |
| 2715 | Bendamustine Impurity 13                          | VS-B011039 | 914626-65-6  |

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| 2716 | Bendamustine Impurity 14                  | VS-B011040 | 847588-86-7  |
| 2717 | Bendamustine Impurity 15                  | VS-B011041 | 1469343-10-9 |
| 2718 | Bendamustine Impurity 16                  | VS-B011042 | N/A          |
| 2719 | Bendamustine Impurity 17                  | VS-B011043 | N/A          |
| 2720 | Bendamustine Impurity 18                  | VS-B011044 | N/A          |
| 2721 | Bendamustine Impurity 19                  | VS-B011045 | 3543-73-5    |
| 2722 | Bendamustine Impurity 20                  | VS-B011046 | 2784-96-5    |
| 2723 | Bendamustine Impurity 21                  | VS-B011047 | 82304-66-3   |
| 2724 | Bendamustine Impurity 22                  | VS-B011048 | 1620-98-0    |
| 2725 | Bendamustine Impurity 23                  | VS-B011049 | 7441-32-9    |
| 2726 | Bendamustine Impurity 24                  | VS-B011050 | 88-26-6      |
| 2727 | Bendamustine USP Related Compound G (HCl) | VS-B011051 | 2469039-29-8 |
| 2728 | Bendamustine PEG ester                    | VS-B011052 | NA           |
| 2729 | Benfotiamine                              | VS-B012000 | 22457-89-2   |
| 2730 | Benfotiamine Amide                        | VS-B012001 | 2643982-77-6 |
| 2731 | Z-Benfotiamine                            | VS-B012002 | 775256-41-2  |
| 2732 | Benidipine                                | VS-B013000 | 105979-17-7  |
| 2733 | Dehydro Benidipine                        | VS-B013001 | 118935-44-7  |
| 2734 | (R,S)(S,R)-Benidipine Hydrochloride       | VS-B013002 | 91599-76-7   |
| 2735 | Benserazide                               | VS-B014000 | 322-35-0     |
| 2736 | Benserazide EP Impurity A                 | VS-B014001 | 64616-76-8   |
| 2737 | Benserazide EP Impurity A (HCl)           | VS-B014002 | 55819-71-1   |
| 2738 | Benserazide EP Impurity B (HCl)           | VS-B014003 | 2472968-83-3 |
| 2739 | Benserazide EP Impurity C                 | VS-B014004 | 1353749-74-2 |
| 2740 | Benserazide Hydrochloride                 | VS-B014005 | 14919-77-8   |
| 2741 | Benserazide EP Impurity C                 | VS-B014006 | 787504-88-5  |
| 2742 | Benzalkonium Chloride                     | VS-B015000 | 8001-54-5    |
| 2743 | Benzalkonium Chloride EP Impurity A       | VS-B015001 | 100-51-6     |
| 2744 | Benzalkonium Chloride EP Impurity B       | VS-B015002 | 100-52-7     |
| 2745 | Benzalkonium Chloride EP Impurity C       | VS-B015003 | 100-44-7     |
| 2746 | Benzatropine                              | VS-B016000 | 86-13-5      |
| 2747 | Benzbromarone                             | VS-B017000 | 3562-84-3    |
| 2748 | Benzbromarone EP Impurity A               | VS-B017001 | 94729-09-6   |
| 2749 | Benzbromarone EP Impurity B               | VS-B017002 | 1402819-05-9 |
| 2750 | Benzbromarone EP Impurity C               | VS-B017003 | 1477-19-6    |
| 2751 | Benzbromarone Impurity 1                  | VS-B017004 | 3343-80-4    |
| 2752 | Benzbromarone Impurity 2                  | VS-B017005 | 70347-04-5   |
| 2753 | Benzenesulfonic Acid                      | VS-B018000 | 98-11-3      |
| 2754 | n-butyl Benzenesulfonate                  | VS-B018001 | 80-44-4      |
| 2755 | Benzocaine                                | VS-B019000 | 94-09-7      |
| 2756 | Benzocaine EP Impurity A                  | VS-B019001 | 623-04-1     |
| 2757 | Benzocaine EP Impurity B                  | VS-B019002 | 5344-90-1    |
| 2758 | Benzocaine EP Impurity C                  | VS-B019003 | 582-33-2     |
| 2759 | Benzocaine EP Impurity D                  | VS-B019004 | 87-25-2      |
| 2760 | Benzocaine EP Impurity E                  | VS-B019005 | 62-23-7      |
| 2761 | Benzocaine EP Impurity F                  | VS-B019006 | 1877-77-6    |
| 2762 | Benzocaine EP Impurity G                  | VS-B019007 | 150-13-0     |

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| 2763 | Benzocaine EP Impurity H                                                          | VS-B019008 | 619-45-4    |
| 2764 | Benzocaine Acetylsalicylamide                                                     | VS-B019009 | 23437-10-7  |
| 2765 | N-Acetyl Benzocaine                                                               | VS-B019010 | 5338-44-3   |
| 2766 | Benzocaine Impurity 4 (Ethyl p-Nitrobenzoate)                                     | VS-B019011 | 99-77-4     |
| 2767 | Ethyl Benzoate                                                                    | VS-B019012 | 93-89-0     |
| 2768 | Benzocaine-N-Beta-D-Glucoside                                                     | VS-B019013 | 28315-50-6  |
| 2769 | N-Formyl Benzocaine                                                               | VS-B019014 | 5422-63-9   |
| 2770 | 1,3,7-Trichlorodibenzo-p-dioxin                                                   | VS-B019015 | 67028-17-5  |
| 2771 | 2,8-Dichlorodibenzo-p-dioxin                                                      | VS-B019016 | 38964-22-6  |
| 2772 | 2,8-Dichlorodibenzofuran                                                          | VS-B019017 | 5409-83-6   |
| 2773 | 2,3,7,8-Tetrachlorodibenzo-p-dioxin                                               | VS-B019018 | 1746-01-6   |
| 2774 | 2,3,7,8-Tetrachlorodibenzofuran                                                   | VS-B019019 | 51207-31-9  |
| 2775 | Methyl Triclosan                                                                  | VS-B019020 | 01-01-40    |
| 2776 | 2,4,6-Trichlorophenol (2,4,6-TCP)                                                 | VS-B019021 | 88-06-2     |
| 2777 | 2,7-dibenzodichloro-p-dioxin                                                      | VS-B019022 | 33857-26-0  |
| 2778 | 2,4,8-Trichlorodibenzofuran                                                       | VS-B019023 | 54589-71-8  |
| 2779 | Benzocaine Impurity 1                                                             | VS-B019024 | 302776-68-7 |
| 2780 | Benzocaine Impurity 2                                                             | VS-B019025 | 86927-24-4  |
| 2781 | Benzocaine Impurity 3                                                             | VS-B019026 | 78015-36-8  |
| 2782 | Benzocaine Impurity 5                                                             | VS-B019027 | 62443-29-2  |
| 2783 | Benzocaine Impurity 6                                                             | VS-B019028 | 97173-95-0  |
| 2784 | Benzocaine Impurity 7                                                             | VS-B019029 | 10541-82-9  |
| 2785 | Benzocaine Impurity 8                                                             | VS-B019030 | NA          |
| 2786 | Benzocaine Impurity 9                                                             | VS-B019031 | 10287-53-3  |
| 2787 | Benzocaine Impurity 10                                                            | VS-B019032 | 120-48-9    |
| 2788 | N-Nitroso Benzocaine Impurity 1                                                   | VS-B019033 | 208176-48-1 |
| 2789 | Benzoic Acid                                                                      | VS-B020000 | 65-85-0     |
| 2790 | Benzoic Acid Glucuronide                                                          | VS-B020001 | N/A         |
| 2791 | 2-Formylbenzoic Acid (2-Carboxybenzaldehyde)                                      | VS-B020002 | 119-67-5    |
| 2792 | RO-4582640 (4-(8-Benzo[1,2,5]oxadiazol-5-yl-[1,7]naphthyridin-6-yl)-benzoic acid) | VS-B020003 | 426268-06-6 |
| 2793 | 4-chloro-2-formyl-benzoic acid                                                    | VS-B020004 | 4657-56-1   |
| 2794 | 4-(chlorocarbonyl)Benzoic Acid                                                    | VS-B020005 | 18708-46-8  |
| 2795 | 2-Chlor-1,4-bis-trichlormethyl-benzol                                             | VS-B020006 | 10388-10-0  |
| 2796 | 1,4-dichloro-2,5-bis(trichloromethyl)benzene                                      | VS-B020007 | 2142-29-2   |
| 2797 | 4-(Trichloromethyl)benzoyl chloride                                               | VS-B020008 | 14815-86-2  |
| 2798 | 4-Dichloromethyl Benzoic Acid                                                     | VS-B020009 | 5278-91-1   |
| 2799 | 4-Trichloromethyl benzoic acid                                                    | VS-B020010 | 5264-40-4   |
| 2800 | Benzonatate                                                                       | VS-B021000 | 104-31-4    |
| 2801 | ω-Desmethylbenzonatate                                                            | VS-B021001 | 105520-53-4 |
| 2802 | ω-Desmethyl ω-(4-Butylaminobenzoyl) Benzonatate                                   | VS-B021002 | N/A         |
| 2803 | Ethyl p-butylaminobenzoate                                                        | VS-B021003 | 94-32-6     |
| 2804 | Benzonatate Impurity 1                                                            | VS-B021004 | N/A         |
| 2805 | P-Amino benzoic acid methoxy polyethylene Glycol                                  | VS-B021005 | 103042-95-1 |
| 2806 | Bis (p-N-Butylamino benzoic acid) polyethylene Glycol ester                       | VS-B021006 | N/A         |
| 2807 | Benzonatate Nitroso Impurity                                                      | VS-B021007 | N/A         |
| 2808 | Benzoyl Peroxide                                                                  | VS-B022000 | 94-36-0     |

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| 2809 | Biphenyl                           | VS-B022001 | 92-52-4      |
| 2810 | Phenyl Benzoate                    | VS-B022002 | 93-99-2      |
| 2811 | Benzoyl-m-chloro benzoyl peroxide  | VS-B022003 | 13495-28-8   |
| 2812 | Benzoyl-p-chloro benzoyl peroxide  | VS-B022004 | 790-45-4     |
| 2813 | Benzyl Chloride                    | VS-B022005 | 100-44-7     |
| 2814 | Benzyl Chloride                    | VS-B022006 | 98-87-3      |
| 2815 | Benzotrichloride                   | VS-B022007 | 98-07-7      |
| 2816 | Benzydamine Hydrochloride          | VS-B023000 | 132-69-4     |
| 2817 | Benzydamine EP Impurity A          | VS-B023001 | 87453-76-7   |
| 2818 | Benzydamine EP Impurity B          | VS-B023002 | 2196183-71-6 |
| 2819 | Benzydamine EP Impurity C          | VS-B023003 | 2215-63-6    |
| 2820 | Benzydamine EP Impurity D (2HCl)   | VS-B023004 | N/A          |
| 2821 | Benzydamine EP Impurity E          | VS-B023005 | 52413-42-0   |
| 2822 | Benzydamine EP Impurity F          | VS-B023006 | 87453-75-6   |
| 2823 | Benzydamine EP Impurity G          | VS-B023007 | 109-54-6     |
| 2824 | Demethyl Benzydamine Hydrochloride | VS-B023008 | 39860-97-4   |
| 2825 | Benzydamine N-Oxide                | VS-B023009 | 36504-71-9   |
| 2826 | Benzydamine Impurity 1             | VS-B023010 | 2196185-65-4 |
| 2827 | Benzydamine Impurity 2             | VS-B023011 | 47448-66-8   |
| 2828 | 1,4-Dichlorobenzene                | VS-B023012 | 106-46-7     |
| 2829 | 1,2-Dichlorobenzene                | VS-B023013 | 95-50-1      |
| 2830 | Benzyl Benzoate                    | VS-B024000 | 120-51-4     |
| 2831 | Bepotastine                        | VS-B025000 | 125602-71-3  |
| 2832 | Bepotastine Besylate               | VS-B025001 | 190786-44-8  |
| 2833 | (R)-Bepotastine                    | VS-B025002 | 190730-41-7  |
| 2834 | Bepotastine N-Oxide                | VS-B025003 | N/A          |
| 2835 | Bepotastine Impurity A Tartrate    | VS-B025004 | 210095-58-2  |
| 2836 | Bepotastine Impurity B             | VS-B025005 | 190730-39-3  |
| 2837 | Bepotastine Isopropyl ester        | VS-B025006 | 1807607-93-7 |
| 2838 | Bepotastine N-butyl ester          | VS-B025007 | 1807606-59-2 |
| 2839 | Beraprost                          | VS-B026000 | 88430-50-6   |
| 2840 | Besifloxacin                       | VS-B027000 | 141388-76-3  |
| 2841 | Betahistine                        | VS-B028000 | 5638-76-6    |
| 2842 | Betahistine Dihydrochloride        | VS-B028001 | 5579-84-0    |
| 2843 | Betahistine EP Impurity A          | VS-B028002 | 100-69-6     |
| 2844 | Betahistine Impurity B             | VS-B028003 | 103-74-2     |
| 2845 | Betahistine EP Impurity C (3HCl)   | VS-B028004 | 2095467-43-7 |
| 2846 | 4-Methylaminoethylpyridine 2HCl    | VS-B028005 | 101252-40-8  |
| 2847 | Betahistine Impurity 1             | VS-B028006 | N/A          |
| 2848 | Betahistine Impurity 2             | VS-B028007 | 13585-92-7   |
| 2849 | Betahistine Impurity 3             | VS-B028008 | N/A          |
| 2850 | Betahistine Impurity 4             | VS-B028009 | N/A          |
| 2851 | Betahistine EP Impurity C          | VS-B028010 | 5452-87-9    |
| 2852 | N-Nitroso-Betahistine              | VS-B028011 | 32635-81-7   |
| 2853 | Betaine Hydrochloride              | VS-B029000 | 590-46-5     |
| 2854 | Betamethasone                      | VS-B030000 | 378-44-9     |
| 2855 | Betamethasone EP Impurity A        | VS-B030001 | 50-02-2      |

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| 2856 | Betamethasone EP Impurity B                  | VS-B030002 | 25122-41-2   |
| 2857 | Betamethasone EP Impurity C                  | VS-B030003 | 13504-15-9   |
| 2858 | Betamethasone EP Impurity D                  | VS-B030004 | 52619-05-3   |
| 2859 | Betamethasone EP Impurity E                  | VS-B030005 | 981-34-0     |
| 2860 | Betamethasone EP Impurity F                  | VS-B030006 | 330157-04-5  |
| 2861 | Betamethasone EP Impurity G                  | VS-B030007 | 85700-75-0   |
| 2862 | Betamethasone EP Impurity H                  | VS-B030008 | 185613-71-2  |
| 2863 | Betamethasone EP Impurity I                  | VS-B030009 | 185613-69-8  |
| 2864 | Betamethasone EP Impurity J                  | VS-B030010 | 18383-24-9   |
| 2865 | Betamethasone Acetate                        | VS-B030011 | 987-24-6     |
| 2866 | Betamethasone Acetate EP Impurity A          | VS-B030012 | 378-44-9     |
| 2867 | Betamethasone Acetate EP Impurity B          | VS-B030013 | 1177-87-3    |
| 2868 | Betamethasone Acetate EP Impurity C          | VS-B030014 | 330157-05-6  |
| 2869 | Betamethasone Acetate EP Impurity D          | VS-B030015 | 912-38-9     |
| 2870 | Betamethasone Benzoate                       | VS-B030016 | 22298-29-9   |
| 2871 | Betamethasone Dipropionate                   | VS-B030017 | 5593-20-4    |
| 2872 | Betamethasone Dipropionate EP Impurity A     | VS-B030018 | 378-44-9     |
| 2873 | Betamethasone Dipropionate EP Impurity B     | VS-B030019 | 5534-13-4    |
| 2874 | Betamethasone Dipropionate EP Impurity C     | VS-B030020 | 75883-07-7   |
| 2875 | Betamethasone Dipropionate EP Impurity D     | VS-B030021 | 5514-81-8    |
| 2876 | Betamethasone Dipropionate EP Impurity E     | VS-B030022 | 08-09-34     |
| 2877 | Betamethasone Dipropionate EP Impurity F     | VS-B030023 | 66917-44-0   |
| 2878 | Betamethasone Dipropionate EP Impurity G     | VS-B030024 | 1186048-33-8 |
| 2879 | Betamethasone Dipropionate EP Impurity H     | VS-B030025 | 1186048-34-9 |
| 2880 | Betamethasone Valerate                       | VS-B030026 | 2152-44-5    |
| 2881 | Betamethasone Valerate EP Impurity A         | VS-B030027 | 378-44-9     |
| 2882 | Betamethasone Valerate EP Impurity B         | VS-B030028 | 1879-77-2    |
| 2883 | Betamethasone Valerate EP Impurity C         | VS-B030029 | 33755-46-3   |
| 2884 | Betamethasone Valerate EP Impurity D         | VS-B030030 | N/A          |
| 2885 | Betamethasone Valerate EP Impurity E         | VS-B030031 | 2240-28-0    |
| 2886 | Betamethasone Valerate EP Impurity F         | VS-B030032 | 16125-28-3   |
| 2887 | Betamethasone Valerate EP Impurity G         | VS-B030033 | N/A          |
| 2888 | Betamethasone Valerate EP Impurity H         | VS-B030034 | 52619-18-8   |
| 2889 | Betamethasone Valerate EP Impurity I         | VS-B030035 | 2802-10-0    |
| 2890 | Betamethasone Impurity                       | VS-B030036 | 560-34-9     |
| 2891 | 9-Chloro Betamethasone                       | VS-B030037 | 4419-39-0    |
| 2892 | 9-Bromo Betamethasone                        | VS-B030038 | 330157-03-4  |
| 2893 | 9-Fluoro Prednisolone                        | VS-B030039 | 338-95-4     |
| 2894 | 1,2-Dihydro-Betamethasone 17,21-Dipropionate | VS-B030040 | 80163-83-3   |
| 2895 | Betamethasone di Acetate                     | VS-B030041 | 86270-68-0   |
| 2896 | 1-2Dihydro Betamethasone                     | VS-B030042 | 34542-51-3   |
| 2897 | 1,2 dihydro beta methyl epoxide              | VS-B030043 | 114488-14-1  |
| 2898 | Betamethasone-17-ketone                      | VS-B030044 | 01-01-09     |
| 2899 | Betamethasone-(Z)-enolaldehyde               | VS-B030045 | 52647-06-0   |
| 2900 | Betamethasone-(E)-enolaldehyde               | VS-B030046 | 52647-07-1   |
| 2901 | Dexamethasone 17-Propionate                  | VS-B030047 | 15423-89-9   |
| 2902 | Lumibetamethasone dipropionate               | VS-B030048 | 1186336-29-7 |

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| 2903 | 11-Oxo- betamethasone 17,21 dipropionate                                                      | VS-B030049 | N/A          |
| 2904 | 11-Oxo- betamethasone 17,21 dipropionate 6 $\alpha$ -Hydroxy betamethasone 17,21 dipropionate | VS-B030050 | N/A          |
| 2905 | 11-Oxo- Betamethasone 17,21 Dipropionate6 $\beta$ -Hydroxy Betamethasone 17,21 Dipropionate   | VS-B030051 | N/A          |
| 2906 | 6-Oxo-betamethasone 17,21 dipropionate                                                        | VS-B030052 | N/A          |
| 2907 | 6,11-Dioxo-betamethasone 17,21 dipropionate                                                   | VS-B030053 | N/A          |
| 2908 | 11-Ketobetamethasone                                                                          | VS-B030054 | 2282-51-1    |
| 2909 | 21-Dehydro Betamethasone                                                                      | VS-B030055 | 61558-12-1   |
| 2910 | D-Homo B Derivative Bethamethasone                                                            | VS-B030056 | N/A          |
| 2911 | 6-Bromo Betamethasone                                                                         | VS-B030057 | 1203841-38-6 |
| 2912 | 6-Keto Betamethasone                                                                          | VS-B030058 | 72559-90-1   |
| 2913 | Betamethasone Impurity F                                                                      | VS-B030059 | N/A          |
| 2914 | Betamethasone 17-Acetate                                                                      | VS-B030060 | 03-12-34     |
| 2915 | 21-Hemiacetal Betamethasone                                                                   | VS-B030061 | N/A          |
| 2916 | 6-Br-Betamethasone-21-acetate                                                                 | VS-B030062 | 52618-94-7   |
| 2917 | 9-fluoro-Prednisolone-21-acetate                                                              | VS-B030063 | 338-98-7     |
| 2918 | 16-Methylepoxide-17-valerate                                                                  | VS-B030064 | 52619-21-3   |
| 2919 | $\Delta$ -9,11-betamethasone 21-acetate                                                       | VS-B030065 | 910-99-6     |
| 2920 | Betamethasone Epoxy Dihydrogen Phosphate                                                      | VS-B030066 | N/A          |
| 2921 | $\Delta$ -9,11-Betamethasone 21-phosphate                                                     | VS-B030067 | N/A          |
| 2922 | $\Delta$ -4,6-betamethasone                                                                   | VS-B030068 | 2317-44-4    |
| 2923 | Betamethasone 21-mesylate                                                                     | VS-B030069 | 1881-66-9    |
| 2924 | Betamethasone Impurity 1                                                                      | VS-B030070 | N/A          |
| 2925 | Betamethasone Impurity 2                                                                      | VS-B030071 | 1240591-58-5 |
| 2926 | Betamethasone Impurity 3                                                                      | VS-B030072 | 5533-97-1    |
| 2927 | Betamethasone Impurity 4                                                                      | VS-B030073 | 1155886-49-9 |
| 2928 | Betamethasone Impurity 6                                                                      | VS-B030074 | 1201919-11-0 |
| 2929 | Betamethasone Impurity 7                                                                      | VS-B030075 | N/A          |
| 2930 | Betamethasone Impurity 8                                                                      | VS-B030076 | 73528-28-6   |
| 2931 | Betamethasone Impurity 9                                                                      | VS-B030077 | 1257544-85-6 |
| 2932 | Betamethasone Impurity 10                                                                     | VS-B030078 | 38680-83-0   |
| 2933 | Betamethasone Impurity 11                                                                     | VS-B030079 | N/A          |
| 2934 | Betamethasone Impurity 12                                                                     | VS-B030080 | N/A          |
| 2935 | Betamethasone Impurity 13                                                                     | VS-B030081 | N/A          |
| 2936 | Betamethasone Impurity 14                                                                     | VS-B030082 | N/A          |
| 2937 | Betamethasone Impurity 15                                                                     | VS-B030083 | N/A          |
| 2938 | Betamethasone Sodium Phosphate                                                                | VS-B031000 | 151-73-5     |
| 2939 | Betamethasone Sodium Phosphate Impurity A                                                     | VS-B031001 | 378-44-9     |
| 2940 | Betamethasone Sodium Phosphate Impurity B                                                     | VS-B031002 | 2392-39-4    |
| 2941 | Betamethasone Sodium Phosphate Impurity C                                                     | VS-B031003 | 1201919-11-0 |
| 2942 | Betamethasone Sodium Phosphate Impurity D                                                     | VS-B031004 | 1201919-18-7 |
| 2943 | Betamethasone Sodium Phosphate Impurity E                                                     | VS-B031005 | N/A          |
| 2944 | Betamethasone Sodium Phosphate Impurity F                                                     | VS-B031006 | N/A          |
| 2945 | Betamethasone Sodium Phosphate Impurity G                                                     | VS-B031007 | 37926-75-3   |
| 2946 | Betamethasone Sodium Phosphate Impurity H                                                     | VS-B031008 | N/A          |
| 2947 | Epoxy Betamethasone Phosphate                                                                 | VS-B031009 | 1257692-44-6 |



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| 2948 | $\Delta$ 9,11,betamethasone sodium phosphate | VS-B031010 | N/A          |
| 2949 | $\alpha$ -Epoxy Betamethasone Phosphate      | VS-B031011 | N/A          |
| 2950 | Betaxolol Hydrochloride                      | VS-B032000 | 63659-19-8   |
| 2951 | Betaxolol EP Impurity A                      | VS-B032001 | 67193-95-7   |
| 2952 | Betaxolol EP Impurity B                      | VS-B032002 | 62572-94-5   |
| 2953 | Betaxolol EP Impurity C                      | VS-B032003 | 63659-17-6   |
| 2954 | Betaxolol EP Impurity D                      | VS-B032004 | 63659-16-5   |
| 2955 | Betaxolol EP Impurity E                      | VS-B032005 | N/A          |
| 2956 | Bethanechol                                  | VS-B033000 | 674-38-4     |
| 2957 | Bethanechol Impurity 1                       | VS-B033001 | N/A          |
| 2958 | Betrixaban                                   | VS-B034000 | 330942-05-7  |
| 2959 | Bevirimat                                    | VS-B035000 | 174022-42-5  |
| 2960 | Bexarotene                                   | VS-B036000 | 153559-49-0  |
| 2961 | Bexarotene Impurity E                        | VS-B036001 | 1349659-57-9 |
| 2962 | Bexarotene Keto Acid Impurity                | VS-B036002 | 153559-46-7  |
| 2963 | Bexarotene Amide Impurity                    | VS-B036003 | N/A          |
| 2964 | Bexarotene Tetrahydro Naphthalene Impurity   | VS-B036004 | 6683-48-3    |
| 2965 | Bexarotene Keto Ester Impurity               | VS-B036005 | 153559-45-6  |
| 2966 | Bexarotene Ester Impurity                    | VS-B036006 | 153559-48-9  |
| 2967 | Bexarotene Keto Impurity                     | VS-B036007 | 1349659-53-5 |
| 2968 | Bexarotene Impurity 1                        | VS-B036008 | 852524-20-0  |
| 2969 | Bexarotene Impurity 2                        | VS-B036009 | 1679-64-7    |
| 2970 | Bezafibrate                                  | VS-B037000 | 41859-67-0   |
| 2971 | Bezafibrate Acyl Glucuronide                 | VS-B037001 | 72156-77-5   |
| 2972 | Bezafibrate EP Impurity A                    | VS-B037002 | 41859-57-8   |
| 2973 | Bezafibrate EP Impurity B                    | VS-B037003 | 74-11-3      |
| 2974 | Bezafibrate EP Impurity C                    | VS-B037004 | 2157488-46-3 |
| 2975 | Bezafibrate EP Impurity D                    | VS-B037005 | 41859-58-9   |
| 2976 | Bezafibrate EP Impurity E                    | VS-B037006 | N/A          |
| 2977 | Bicalutamide                                 | VS-B038000 | 90357-06-5   |
| 2978 | Bicalutamide EP Impurity A                   | VS-B038001 | 90357-05-4   |
| 2979 | Bicalutamide EP Impurity B                   | VS-B038002 | 1159977-36-2 |
| 2980 | Bicalutamide EP Impurity C                   | VS-B038003 | 906008-94-4  |
| 2981 | Bicalutamide EP Impurity D                   | VS-B038004 | 654-70-6     |
| 2982 | Bicalutamide EP Impurity E                   | VS-B038005 | N/A          |
| 2983 | Bicalutamide EP Impurity F                   | VS-B038006 | N/A          |
| 2984 | Bicalutamide EP Impurity H                   | VS-B038007 | 2512198-58-0 |
| 2985 | Bicalutamide EP Impurity J                   | VS-B038008 | 90356-78-8   |
| 2986 | Bicalutamide EP Impurity K                   | VS-B038009 | N/A          |
| 2987 | Bicalutamide EP Impurity L                   | VS-B038010 | N/A          |
| 2988 | Bicalutamide EP Impurity M                   | VS-B038011 | 151262-57-6  |
| 2989 | Bicalutamide USP Related Compound A          | VS-B038012 | 945419-64-7  |
| 2990 | Bicalutamide Related Compound B              | VS-B038013 | 1166228-30-3 |
| 2991 | Bicalutamide aminobenzonitrile               | VS-B038014 | 327-74-2     |
| 2992 | Cyanophenolutamide                           | VS-B038015 | N/A          |
| 2993 | Bicadiol                                     | VS-B038016 | 946419-82-5  |
| 2994 | Bicalutamide Impurity 1                      | VS-B038017 | 90357-53-2   |

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| 2995 | Bicalutamide Impurity 2                | VS-B038018 | N/A          |
| 2996 | Bicalutamide Impurity 3                | VS-B038019 | 90357-51-0   |
| 2997 | Bicalutamide Impurity 4                | VS-B038020 | N/A          |
| 2998 | Bicalutamide Impurity 6                | VS-B038021 | 1080647-26-2 |
| 2999 | Bicalutamide Impurity 8                | VS-B038022 | 1375105-27-3 |
| 3000 | Bicalutamide Impurity 9                | VS-B038023 | 316373-92-9  |
| 3001 | Bictegravir Sodium                     | VS-B039000 | 1807988-02-8 |
| 3002 | Bictegravir Trifluoro Hydroxy Impurity | VS-B039001 | N/A          |
| 3003 | Methyl Bictegravir                     | VS-B039002 | 1616340-94-3 |
| 3004 | Bictegravir 2-Fluoro Impurity          | VS-B039003 | N/A          |
| 3005 | Bictegravir 4-Fluoro Impurity          | VS-B039004 | N/A          |
| 3006 | Bictegravir 2,4-Difluoro Impurity      | VS-B039005 | 1611493-56-1 |
| 3007 | Bictegravir 2,6-Difluoro Impurity      | VS-B039006 | N/A          |
| 3008 | Bictegravir Benzyl Impurity            | VS-B039007 | N/A          |
| 3009 | Bictegravir (2R,5S,13aS) Isomer        | VS-B039008 | N/A          |
| 3010 | 2,4,6-Trifluorobenzylamine             | VS-B039009 | 214759-21-4  |
| 3011 | Bictegravir Impurity 1                 | VS-B039010 | 1616340-12-5 |
| 3012 | Bictegravir Impurity 2                 | VS-B039011 | 1846582-14-6 |
| 3013 | Bictegravir Impurity 3                 | VS-B039012 | N/A          |
| 3014 | Bictegravir Impurity 4                 | VS-B039013 | N/A          |
| 3015 | Bictegravir Impurity 5                 | VS-B039014 | N/A          |
| 3016 | Bictegravir                            | VS-B039015 | 1611493-60-7 |
| 3017 | Bictegravir Impurity 6                 | VS-B039016 | 1259436-59-3 |
| 3018 | Bictegravir Impurity 7                 | VS-B039017 | 124555-33-5  |
| 3019 | Bictegravir Impurity 8                 | VS-B039018 | 1523530-42-8 |
| 3020 | Bifonazole                             | VS-B040000 | 60628-96-8   |
| 3021 | Bifonazole EP Impurity A               | VS-B040001 | 7598-80-3    |
| 3022 | Bifonazole EP Impurity B               | VS-B040002 | 91679-37-7   |
| 3023 | Bifonazole EP Impurity C               | VS-B040003 | 288-32-4     |
| 3024 | Bifonazole EP Impurity D               | VS-B040004 | 66600-23-5   |
| 3025 | Bifonazole EP Impurity E               | VS-B040005 | 2469554-07-0 |
| 3026 | Bilastine                              | VS-B041000 | 202189-78-4  |
| 3027 | Bilastine Impurity A                   | VS-B041001 | N/A          |
| 3028 | Bilastine Impurity B                   | VS-B041002 | N/A          |
| 3029 | Bilastine N-Oxide                      | VS-B041003 | 2069238-47-5 |
| 3030 | 1'-Hydroxy Bilastine                   | VS-B041004 | 1638785-23-5 |
| 3031 | Bilastine Amide Impurity               | VS-B041005 | 2767509-00-0 |
| 3032 | Bilastine Hydroxy Impurity             | VS-B041006 | 202189-83-1  |
| 3033 | Bilastine Impurity 1                   | VS-B041007 | 953071-73-3  |
| 3034 | Bilastine Impurity 2                   | VS-B041008 | 1181267-36-6 |
| 3035 | Bilastine Impurity 3                   | VS-B041009 | N/A          |
| 3036 | Bilastine Impurity 4                   | VS-B041010 | 1638785-19-9 |
| 3037 | Bilastine Impurity 5                   | VS-B041011 | 1181267-33-3 |
| 3038 | Bilastine Impurity 6                   | VS-B041012 | 1181267-38-8 |
| 3039 | Bilastine Impurity 7                   | VS-B041013 | N/A          |
| 3040 | Bilastine Impurity 9                   | VS-B041014 | N/A          |
| 3041 | Bilastine Impurity 10                  | VS-B041015 | N/A          |

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| 3042 | Bilastine Impurity 11             | VS-B041016 | 202189-77-3  |
| 3043 | Bilastine Impurity 12             | VS-B041017 | 1215537-40-8 |
| 3044 | Bilastine Impurity 13             | VS-B041018 | 2245209-60-1 |
| 3045 | Bilastine Impurity 14             | VS-B041019 | 29205-99-0   |
| 3046 | Bilastine Nitrosoamine Impurity 1 | VS-B041020 | N/A          |
| 3047 | Bilastine Nitrosoamine Impurity 2 | VS-B041021 | N/A          |
| 3048 | Bilastine Related Compound A      | VS-B041022 | 2767508-98-3 |
| 3049 | Bilastine Impurity 15             | VS-B041023 | 1907-65-9    |
| 3050 | Bimatoprost                       | VS-B042000 | 155206-00-1  |
| 3051 | Bimatoprost 13,14-Epoxyde         | VS-B042001 | 2920059-82-9 |
| 3052 | (15R)-Bimatoprost                 | VS-B042002 | 1163135-92-9 |
| 3053 | 15-Keto-bimatoprost               | VS-B042003 | 1163135-96-3 |
| 3054 | Bimatoprost Cyclohexyl Amide      | VS-B042004 | N/A          |
| 3055 | Bimatoprost Free Acid             | VS-B042005 | 38344-08-0   |
| 3056 | 5,6-trans-Bimatoprost             | VS-B042006 | 1163135-95-2 |
| 3057 | Bimatoprost Methyl Ester          | VS-B042007 | N/A          |
| 3058 | 5-trans Bimatoprost Acid          | VS-B042008 | 1648894-84-1 |
| 3059 | trans-Latanoprost Acid            | VS-B042009 | 903549-49-5  |
| 3060 | Bimatoprost Impurity 1            | VS-B042010 | N/A          |
| 3061 | Bimatoprost Impurity 2            | VS-B042011 | N/A          |
| 3062 | Bimatoprost Impurity 3            | VS-B042012 | N/A          |
| 3063 | Bimatoprost Impurity 4            | VS-B042013 | N/A          |
| 3064 | Bimatoprost Impurity 5            | VS-B042014 | N/A          |
| 3065 | Bimatoprost Impurity 6            | VS-B042015 | 71140-70-0   |
| 3066 | Bimatoprost Isopropyl Ester       | VS-B042016 | 130273-87-9  |
| 3067 | Bimatoprost ester impurity        | VS-B042017 | 38315-47-8   |
| 3068 | Binimetinib                       | VS-B043000 | 606143-89-9  |
| 3069 | Binimetinib Isomer                | VS-B043001 | N/A          |
| 3070 | Binimetinib Cyclized impurity     | VS-B043002 | N/A          |
| 3071 | N-Desmethyl Binimetinib           | VS-B043003 | N/A          |
| 3072 | Binimetinib Impurity 1            | VS-B043004 | 284030-58-6  |
| 3073 | Binimetinib Impurity 2            | VS-B043005 | 391212-29-6  |
| 3074 | Biotin                            | VS-B044000 | 58-85-5      |
| 3075 | Biotin EP Impurity A              | VS-B044001 | 1163708-46-0 |
| 3076 | Biotin EP Impurity B              | VS-B044002 | 57671-79-1   |
| 3077 | Biotin EP Impurity C              | VS-B044003 | 22342-46-7   |
| 3078 | Biotin EP Impurity D              | VS-B044004 | 415725-35-8  |
| 3079 | Biotin EP Impurity E              | VS-B044005 | N/A          |
| 3080 | Biotin EP Impurity F              | VS-B044006 | 101469-35-6  |
| 3081 | Biotin EP Impurity G              | VS-B044007 | N/A          |
| 3082 | Biotin EP Impurity H              | VS-B044008 | N/A          |
| 3083 | Biotin (L)-sulfoxide              | VS-B044009 | 3376-83-8    |
| 3084 | Biotin (D)-sulfoxide              | VS-B044010 | 7553-42-6    |
| 3085 | DiethylMalonate                   | VS-B044011 | 105-53-3     |
| 3086 | Dibenzyl Biotin                   | VS-B044012 | 33607-60-2   |
| 3087 | Monobenzyl Biotin                 | VS-B044013 | 57229-92-2   |
| 3088 | Biotin -4-DAD-amide               | VS-B044014 | N/A          |

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| 3089 | Diethyl Malonate Derivative dimer        | VS-B044015 | N/A          |
| 3090 | Biotin Sulfone                           | VS-B044016 | 40720-05-6   |
| 3091 | Bisabolol                                | VS-B045000 | 23089-26-1   |
| 3092 | Bisabolol Oxide A                        | VS-B045001 | 22567-36-8   |
| 3093 | Bisoprolol                               | VS-B046000 | 66722-44-9   |
| 3094 | Bisoprolol Fumarate                      | VS-B046001 | 104344-23-2  |
| 3095 | Bisoprolol EP Impurity A                 | VS-B046002 | 62572-93-4   |
| 3096 | Bisoprolol EP Impurity B                 | VS-B046003 | 1447715-44-7 |
| 3097 | Bisoprolol EP Impurity C                 | VS-B046004 | 1797132-90-1 |
| 3098 | Bisoprolol EP Impurity D                 | VS-B046005 | 1225195-71-0 |
| 3099 | Bisoprolol EP Impurity D (TFA)           | VS-B046006 | N/A          |
| 3100 | Bisoprolol EP Impurity E                 | VS-B046007 | 1217245-60-7 |
| 3101 | Bisoprolol EP Impurity F                 | VS-B046008 | N/A          |
| 3102 | Bisoprolol EP Impurity G                 | VS-B046009 | N/A          |
| 3103 | Bisoprolol EP Impurity J                 | VS-B046010 | 1797024-50-0 |
| 3104 | Bisoprolol EP Impurity K                 | VS-B046011 | 864544-37-6  |
| 3105 | Bisoprolol EP Impurity L                 | VS-B046012 | 29122-74-5   |
| 3106 | Bisoprolol EP Impurity M                 | VS-B046013 | 177034-57-0  |
| 3107 | Bisoprolol EP Impurity N                 | VS-B046014 | 1346601-75-9 |
| 3108 | Bisoprolol EP Impurity Q                 | VS-B046015 | 1346604-00-9 |
| 3109 | Bisoprolol EP Impurity R                 | VS-B046016 | 5790-46-5    |
| 3110 | Bisoprolol EP Impurity S                 | VS-B046017 | 123-08-0     |
| 3111 | Bisoprolol EP Impurity T                 | VS-B046018 | 1173203-26-3 |
| 3112 | Bisoprolol EP Impurity U                 | VS-B046019 | 1071765-44-0 |
| 3113 | Bisoprolol Dimer                         | VS-B046020 | N/A          |
| 3114 | Bisoprolol Alcohol Impurity              | VS-B046021 | 623-05-2     |
| 3115 | Bisoprolol Epoxide Impurity              | VS-B046022 | 66722-57-4   |
| 3116 | Bisoprolol Hydroxymethyl Oxiran Impurity | VS-B046023 | 4204-78-8    |
| 3117 | Bisoprolol Carboxylic Acid Impurity      | VS-B046024 | N/A          |
| 3118 | 2-Isopropoxyethanol                      | VS-B046025 | 109-59-1     |
| 3119 | N-Desisopropyl-N-formyl Bisoprolol       | VS-B046026 | 1346602-59-2 |
| 3120 | Bisoprolol N-aldehyde                    | VS-B046027 | 1447715-45-8 |
| 3121 | Bisoprolol Hydroxyethyl Ester Impurity   | VS-B046028 | 1346601-19-1 |
| 3122 | Bisoprolol Diene Impurity                | VS-B046029 | N/A          |
| 3123 | Bisoprolol Methyl Ester                  | VS-B046030 | 33947-97-6   |
| 3124 | N-Nitroso-Bisoprolol                     | VS-B046031 | N/A          |
| 3125 | Bisoprolol Phenol Impurity               | VS-B046032 | 62340-37-8   |
| 3126 | Des O-isopropyl Bisoprolol               | VS-B046033 | 109791-18-6  |
| 3127 | Phosphomonoester of Bisoprolol           | VS-B046034 | N/A          |
| 3128 | Bisoprolol Benzylalcohol                 | VS-B046035 | N/A          |
| 3129 | Bisoprolol Impurity 1                    | VS-B046036 | 1346603-05-1 |
| 3130 | Bisoprolol Impurity 2                    | VS-B046037 | 2186-24-5    |
| 3131 | Bisoprolol Impurity 3                    | VS-B046038 | 06-03-95     |
| 3132 | Bisoprolol Impurity 4                    | VS-B046039 | N/A          |
| 3133 | Bisoprolol Impurity 5                    | VS-B046040 | 14697-49-5   |
| 3134 | Bisoprolol Impurity 6                    | VS-B046041 | 2514957-47-0 |
| 3135 | Bisoprolol Impurity 7                    | VS-B046042 | N/A          |

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| 3136 | Bisoprolol Impurity 8                          | VS-B046043 | 704200-67-9  |
| 3137 | Bisoprolol Impurity 9                          | VS-B046044 | 59383-52-7   |
| 3138 | Bisoprolol Impurity 10                         | VS-B046045 | 2469273-10-5 |
| 3139 | Bisoprolol Impurity 11                         | VS-B046046 | N/A          |
| 3140 | Bisoprolol Impurity 12                         | VS-B046047 | N/A          |
| 3141 | Bisoprolol Impurity 13                         | VS-B046048 | 72570-70-8   |
| 3142 | Bisoprolol Impurity 14                         | VS-B046049 | N/A          |
| 3143 | Bisoprolol Impurity G                          | VS-B046050 | 1215342-36-1 |
| 3144 | Bleomycin Sulfate                              | VS-B047000 | 9041-93-4    |
| 3145 | Bleomycin Sulfate EP Impurity A                | VS-B047001 | N/A          |
| 3146 | Bleomycin Sulfate EP Impurity B                | VS-B047002 | N/A          |
| 3147 | Bleomycin Sulfate EP Impurity C                | VS-B047003 | N/A          |
| 3148 | Bleomycin Sulfate EP Impurity D                | VS-B047004 | N/A          |
| 3149 | Bleomycin A2                                   | VS-B047005 | 49830-49-1   |
| 3150 | Bleomycin B2                                   | VS-B047006 | 9060-10-0    |
| 3151 | Bleomycinic acid                               | VS-B047007 | 37364-66-2   |
| 3152 | Bleomycin A5                                   | VS-B047008 | 55658-47-4   |
| 3153 | Bleomycin B4                                   | VS-B047009 | 01-11-60     |
| 3154 | Demethylbleomycin A2                           | VS-B047010 | 41089-03-6   |
| 3155 | Boldenone Undecylenate                         | VS-B049000 | 13103-34-9   |
| 3156 | Bortezomib ((1R,2S)-Bortezomib)                | VS-B050000 | 179324-69-7  |
| 3157 | Bortezomib Impurity A                          | VS-B050001 | 289472-80-6  |
| 3158 | Bortezomib Impurity B                          | VS-B050002 | N/A          |
| 3159 | Bortezomib Impurity F                          | VS-B050004 | 73058-37-4   |
| 3160 | Bortezomib Impurity G                          | VS-B050005 | 289472-81-7  |
| 3161 | Bortezomib Impurity H                          | VS-B050006 | 1446194-56-4 |
| 3162 | Bortezomib Impurity M                          | VS-B050007 | N/A          |
| 3163 | Bortezomib Impurity N                          | VS-B050008 | N/A          |
| 3164 | Bortezomib Related Impurity E                  | VS-B050009 | N/A          |
| 3165 | Bortezomib Related Compound E                  | VS-B050010 | N/A          |
| 3166 | Bortezomib Related Compound K                  | VS-B050011 | N/A          |
| 3167 | Bortezomib Related Compound N                  | VS-B050012 | N/A          |
| 3168 | Bortezomib Related Compound P                  | VS-B050013 | N/A          |
| 3169 | Bortezomib Related Impurity F                  | VS-B050014 | N/A          |
| 3170 | Bortezomib Intermediate(R,S)                   | VS-B050015 | 2363753-37-9 |
| 3171 | Bortezomib Intermediate(S,R)                   | VS-B050016 | 84110-34-9   |
| 3172 | N-(2-pyraziny  carbonyl)-D-phenylalanine       | VS-B050017 | 1608986-16-8 |
| 3173 | Bortezomib R-Hydroperoxide                     | VS-B050018 | 886979-78-8  |
| 3174 | Bortezomib S-Hydroperoxide                     | VS-B050019 | 886979-81-3  |
| 3175 | Bortezomib Amino R Isomer                      | VS-B050020 | 179324-87-9  |
| 3176 | Bortezomib Isoamyl Impurity                    | VS-B050021 | 1375004-39-9 |
| 3177 | Bortezomib R and S hydroperoxide               | VS-B050022 | N/A          |
| 3178 | Phenylalanine Dimer Impurity                   | VS-B050023 | N/A          |
| 3179 | Bortezomib Impurity 3 (R,R-Isomer)             | VS-B050024 | 1132709-15-9 |
| 3180 | Bortezomib Impurity 3 (R,S-Isomer)             | VS-B050025 | 1132709-16-0 |
| 3181 | Bortezomib Impurity 3 (S,S-Isomer)             | VS-B050026 | 1132709-14-8 |
| 3182 | (S,R)-Bortezomib Hydroxyisopentyl Amide Analog | VS-B050027 | 289472-78-2  |

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| 3183 | Bortezomib Impurity 2 (RR-Isomer)                                    | VS-B050028 | N/A          |
| 3184 | Bortezomib Impurity 2 (Mixture of (1S,2R)-Isomer and (1R,2R)-Isomer) | VS-B050029 | N/A          |
| 3185 | Bortezomib Impurity 1                                                | VS-B050030 | N/A          |
| 3186 | Bortezomib Impurity 4                                                | VS-B050031 | 862894-96-0  |
| 3187 | Bortezomib Impurity 5                                                | VS-B050032 | 2379402-85-2 |
| 3188 | Bortezomib Impurity 6                                                | VS-B050033 | N/A          |
| 3189 | Bortezomib Impurity 7                                                | VS-B050034 | N/A          |
| 3190 | Bortezomib Impurity 8                                                | VS-B050035 | N/A          |
| 3191 | Bortezomib Impurity 9                                                | VS-B050036 | 1194235-41-0 |
| 3192 | Bortezomib Impurity 10                                               | VS-B050037 | 390800-88-1  |
| 3193 | Bortezomib Impurity 11                                               | VS-B050038 | 862895-00-9  |
| 3194 | Bortezomib Impurity 14                                               | VS-B050039 | 205393-22-2  |
| 3195 | Bortezomib Impurity 15                                               | VS-B050040 | 1259300-03-2 |
| 3196 | Bortezomib Impurity 16                                               | VS-B050041 | N/A          |
| 3197 | Bortezomib Impurity 17                                               | VS-B050042 | N/A          |
| 3198 | Bortezomib Impurity 18                                               | VS-B050043 | N/A          |
| 3199 | Bortezomib Impurity 19                                               | VS-B050044 | N/A          |
| 3200 | Bortezomib Impurity 20                                               | VS-B050045 | N/A          |
| 3201 | Bortezomib Impurity 21                                               | VS-B050046 | 94242-79-2   |
| 3202 | Bortezomib Impurity 22                                               | VS-B050047 | N/A          |
| 3203 | Bortezomib Impurity 23                                               | VS-B050048 | N/A          |
| 3204 | Bortezomib Impurity 24                                               | VS-B050049 | N/A          |
| 3205 | Bortezomib Impurity 25                                               | VS-B050050 | N/A          |
| 3206 | Bortezomib Impurity 26                                               | VS-B050051 | 78-77-3      |
| 3207 | Bortezomib Impurity 27                                               | VS-B050052 | 63-91-2      |
| 3208 | Bortezomib Impurity 28                                               | VS-B050053 | 18942-49-9   |
| 3209 | Bortezomib Impurity 29                                               | VS-B050054 | 89-01-0      |
| 3210 | Bortezomib Impurity 30                                               | VS-B050055 | 513-36-0     |
| 3211 | Bortezomib Impurity 31                                               | VS-B050056 | 84110-40-7   |
| 3212 | Bortezomib Impurity 32                                               | VS-B050057 | 2363753-29-9 |
| 3213 | Bortezomib Impurity 33                                               | VS-B050058 | 948294-96-0  |
| 3214 | Bortezomib Impurity 34                                               | VS-B050059 | N/A          |
| 3215 | Bortezomib Impurity 35                                               | VS-B050060 | N/A          |
| 3216 | Bortezomib Impurity 36                                               | VS-B050061 | 114457-94-2  |
| 3217 | Bortezomib Impurity 37                                               | VS-B050062 | 1798895-16-5 |
| 3218 | Bortezomib Impurity 38                                               | VS-B050063 | 18680-27-8   |
| 3219 | Bortezomib Impurity 43                                               | VS-B050064 | N/A          |
| 3220 | Bortezomib Impurity 44                                               | VS-B050065 | 2308-61-4    |
| 3221 | Bortezomib Impurity 45                                               | VS-B050066 | N/A          |
| 3222 | Bortezomib Impurity 46                                               | VS-B050067 | 2577-40-4    |
| 3223 | Bortezomib Impurity 47                                               | VS-B050068 | 1194235-14-7 |
| 3224 | Bortezomib Impurity 40                                               | VS-B050069 | 85167-14-2   |
| 3225 | Bortezomib Impurity 41                                               | VS-B050070 | 514820-48-5  |
| 3226 | Bortezomib Impurity 42                                               | VS-B050071 | 477254-69-6  |
| 3227 | Bortezomib Impurity 48                                               | VS-B050072 | N/A          |
| 3228 | Bortezomib Impurity 49                                               | VS-B050073 | N/A          |
| 3229 | Bortezomib Impurity 50                                               | VS-B050074 | N/A          |

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| 3230 | Bortezomib Impurity 51                      | VS-B050075 | N/A          |
| 3231 | Bortezomib Impurity 53                      | VS-B050076 | 2364553-64-8 |
| 3232 | Bortezomib Impurity 54                      | VS-B050077 | 110755-29-8  |
| 3233 | Bortezomib Impurity 55                      | VS-B050078 | 292061-26-8  |
| 3234 | Bortezomib Impurity 56                      | VS-B050079 | 4664-57-7    |
| 3235 | Bortezomib Impurity 57                      | VS-B050080 | N/A          |
| 3236 | Bortezomib Impurity 58                      | VS-B050081 | N/A          |
| 3237 | Bortezomib Impurity 59                      | VS-B050082 | N/A          |
| 3238 | Bortezomib Impurity 60                      | VS-B050083 | N/A          |
| 3239 | Bortezomib Impurity 61                      | VS-B050084 | N/A          |
| 3240 | Bortezomib Impurity 62                      | VS-B050085 | 259809-24-0  |
| 3241 | Bortezomib Impurity 63                      | VS-B050086 | 165948-23-2  |
| 3242 | Bortezomib Impurity 64                      | VS-B050087 | 4214-74-8    |
| 3243 | Bortezomib Impurity 65                      | VS-B050088 | N/A          |
| 3244 | Bortezomib Impurity 66                      | VS-B050089 | 365998-35-2  |
| 3245 | Bortezomib Impurity 67                      | VS-B050090 | 365998-34-1  |
| 3246 | Bortezomib Impurity 68                      | VS-B050091 | 365998-33-0  |
| 3247 | Bortezomib Impurity 69                      | VS-B050092 | N/A          |
| 3248 | Bortezomib Impurity C (Mixture of Isomers)  | VS-B050093 | N/A          |
| 3249 | Bosentan Monohydrate                        | VS-B051001 | 157212-55-0  |
| 3250 | Bosentan Sulfide                            | VS-B051002 | N/A          |
| 3251 | Bosentan Sulfoxide                          | VS-B051003 | N/A          |
| 3252 | Bosentan Hydroxymethyl Impurity             | VS-B051004 | 253688-60-7  |
| 3253 | Bosentan USP Related Compound A             | VS-B051005 | 150727-06-3  |
| 3254 | Bosentan USP Related Compound B             | VS-B051006 | 174227-14-6  |
| 3255 | Bosentan USP Related Compound C             | VS-B051007 | 1097263-60-9 |
| 3256 | Bosentan USP Related Compound D             | VS-B051008 | 150728-13-5  |
| 3257 | Bosentan USP Related Compound E             | VS-B051009 | 6292-59-7    |
| 3258 | Bosentan Hydroxymethyl O-Desmethyl Impurity | VS-B051010 | 253688-62-9  |
| 3259 | Bosentan O-Desmethyl Impurity               | VS-B051011 | 253688-61-8  |
| 3260 | Bosentan Impurity 1                         | VS-B051012 | 1257099-41-4 |
| 3261 | Bosentan Impurity 2                         | VS-B051013 | 1257099-42-5 |
| 3262 | Bosentan Impurity 3                         | VS-B051014 | 1257099-43-6 |
| 3263 | Bosentan Impurity 4                         | VS-B051015 | 1257099-44-7 |
| 3264 | Bosentan Impurity 5                         | VS-B051016 | 193013-72-8  |
| 3265 | Bosentan Impurity 9                         | VS-B051017 | N/A          |
| 3266 | Bosentan Impurity 7                         | VS-B051018 | 174227-27-1  |
| 3267 | Bosentan Impurity 8                         | VS-B051019 | 157415-46-8  |
| 3268 | Bosentan Impurity 6                         | VS-B051020 | N/A          |
| 3269 | Bosutinib                                   | VS-B052000 | 380843-75-4  |
| 3270 | Bosutinib Didesmethyl Impurity              | VS-B052001 | 2468737-94-0 |
| 3271 | Bosutinib Desmethyl Impurity                | VS-B052002 | 2468737-92-8 |
| 3272 | N-Desmethyl bosutinib                       | VS-B052003 | 380843-81-2  |
| 3273 | Bosutinib Dimer Impurity                    | VS-B052004 | N/A          |
| 3274 | Bosutinib Impurity I                        | VS-B052005 | 846023-24-3  |
| 3275 | Bosutinib Impurity II                       | VS-B052006 | 846023-56-1  |
| 3276 | Bosutinib Des NMP Impurity                  | VS-B052007 | 2095306-25-3 |

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| 3277 | 3-Allyloxy-4-methoxynitrobenzene            | VS-B052008 | 142072-71-7  |
| 3278 | 2-Methoxy-5-nitrophenol                     | VS-B052009 | 636-93-1     |
| 3279 | 2,4-Dichloro-5-methoxyaniline               | VS-B052010 | 98446-49-2   |
| 3280 | Bosutinib Oxydechlorinated Impurity         | VS-B052011 | N/A          |
| 3281 | Bosutinib N-oxide Bosutinib                 | VS-B052012 | 2468737-96-2 |
| 3282 | Bosutinib Propoxy Dimer Impurity            | VS-B052013 | 2095306-27-5 |
| 3283 | 2-Methoxy-5-nitrophenol Sodium salt         | VS-B052014 | 67233-85-6   |
| 3284 | 2-Methoxy-5-nitrophenol Potassium salt      | VS-B052015 | 458534-58-2  |
| 3285 | 2,4-Dichloro-5-methoxyaniline Hydrochloride | VS-B052016 | 379229-30-8  |
| 3286 | Bosutinib Regio Isomer Impurity             | VS-B052017 | 1391063-17-4 |
| 3287 | Bosutinib Impurity 1                        | VS-B052018 | 219786-51-3  |
| 3288 | Bosutinib Impurity 2                        | VS-B052019 | 879644-03-8  |
| 3289 | Bosutinib Impurity 3                        | VS-B052020 | 17722-32-6   |
| 3290 | Bosutinib Impurity 4                        | VS-B052021 | 1821033-10-6 |
| 3291 | Bosutinib Impurity 5                        | VS-B052022 | 65182-98-1   |
| 3292 | Bosutinib Impurity 6                        | VS-B052023 | 1307530-78-4 |
| 3293 | Bosutinib Impurity 7                        | VS-B052024 | 2095306-26-4 |
| 3294 | Bosutinib Impurity 8                        | VS-B052025 | 380844-49-5  |
| 3295 | Bosutinib Monohydrate                       | VS-B052026 | 918639-08-4  |
| 3296 | Bremelanotide                               | VS-B053000 | 189691-06-3  |
| 3297 | Brexiprazole                                | VS-B054000 | 913611-97-9  |
| 3298 | Brexiprazole Sulfoxide                      | VS-B054001 | 1191900-51-2 |
| 3299 | Brexiprazole Hydrochloride                  | VS-B054002 | 1420987-74-1 |
| 3300 | Brexiprazole Hydrobromide                   | VS-B054003 | 1427049-36-2 |
| 3301 | Brexiprazole Sulfate                        | VS-B054004 | 913612-39-2  |
| 3302 | Brexiprazole N-Oxide                        | VS-B054005 | 1191900-58-9 |
| 3303 | Brexiprazole Di-N-Oxide                     | VS-B054006 | 2247155-42-4 |
| 3304 | Brexiprazole Cyclic Dimer                   | VS-B054007 | 2190474-85-0 |
| 3305 | 6-Bromobenzo[b]thiophene                    | VS-B054008 | 17347-32-9   |
| 3306 | 7-Bromobenzo[b]thiophene                    | VS-B054009 | 1423-61-6    |
| 3307 | Brexiprazole Impurity 1                     | VS-B054010 | 1420987-86-5 |
| 3308 | Brexiprazole Impurity 4                     | VS-B054011 | 2116542-20-0 |
| 3309 | Brexiprazole Impurity 5 HCl                 | VS-B054012 | 105684-85-3  |
| 3310 | Brexiprazole Impurity 6                     | VS-B054013 | N/A          |
| 3311 | Brexiprazole Impurity 7                     | VS-B054014 | 2126178-13-8 |
| 3312 | Brexiprazole Impurity 8                     | VS-B054015 | N/A          |
| 3313 | Brexiprazole Impurity 9                     | VS-B054016 | 31570-97-5   |
| 3314 | Brexiprazole Impurity 10                    | VS-B054017 | 15116-41-3   |
| 3315 | Brexiprazole Impurity 11                    | VS-B054018 | 1886188-97-1 |
| 3316 | Brexiprazole Impurity 12                    | VS-B054019 | 2116542-19-7 |
| 3317 | Brexiprazole Impurity 13                    | VS-B054020 | N/A          |
| 3318 | Brexiprazole Impurity 14                    | VS-B054021 | 2518081-42-8 |
| 3319 | Brexiprazole Impurity 15                    | VS-B054022 | 913612-07-4  |
| 3320 | Brexiprazole Impurity 16                    | VS-B054023 | N/A          |
| 3321 | Brexiprazole Impurity 17                    | VS-B054024 | 2250242-22-7 |
| 3322 | Brexiprazole Impurity 18                    | VS-B054025 | 2059954-32-2 |
| 3323 | Brexiprazole Impurity 19                    | VS-B054026 | 616227-75-9  |



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| 3324 | Brexpiprazole Impurity 20        | VS-B054027 | 1420987-85-4 |
| 3325 | Brexpiprazole Impurity 22        | VS-B054028 | 913614-18-3  |
| 3326 | Brexpiprazole Impurity 23        | VS-B054029 | 1849603-58-2 |
| 3327 | Brexpiprazole Impurity 24        | VS-B054030 | 2220149-92-6 |
| 3328 | Brexpiprazole Impurity 25        | VS-B054031 | 5118-13-8    |
| 3329 | Brexpiprazole Impurity 26        | VS-B054032 | 913613-82-8  |
| 3330 | Brexpiprazole Impurity 27        | VS-B054033 | 95-15-8      |
| 3331 | Brexpiprazole Impurity 28        | VS-B054034 | 203395-59-9  |
| 3332 | Brexpiprazole Impurity 29        | VS-B054035 | 1191901-09-3 |
| 3333 | Brexpiprazole Impurity 30        | VS-B054036 | 2094559-58-5 |
| 3334 | Brexpiprazole Impurity 31        | VS-B054037 | 2138169-93-2 |
| 3335 | Brexpiprazole Impurity 32        | VS-B054038 | 2143944-64-1 |
| 3336 | Brexpiprazole Impurity 33        | VS-B054039 | N/A          |
| 3337 | Brexpiprazole Impurity 34        | VS-B054040 | 2116542-21-1 |
| 3338 | Brexpiprazole Impurity 35        | VS-B054041 | N/A          |
| 3339 | Brexpiprazole Impurity 36        | VS-B054042 | N/A          |
| 3340 | Brexpiprazole Impurity 37        | VS-B054043 | N/A          |
| 3341 | Brexpiprazole Impurity 38        | VS-B054044 | N/A          |
| 3342 | Brexpiprazole Impurity 39        | VS-B054045 | 2059942-13-9 |
| 3343 | Brexpiprazole Impurity 40        | VS-B054046 | 2060029-80-1 |
| 3344 | Brexpiprazole Impurity 41        | VS-B054047 | N/A          |
| 3345 | Brexpiprazole Impurity 42        | VS-B054048 | 2060027-95-2 |
| 3346 | Brexpiprazole Impurity 43        | VS-B054049 | N/A          |
| 3347 | Brexpiprazole Impurity 44        | VS-B054050 | N/A          |
| 3348 | Brexpiprazole Impurity 45        | VS-B054051 | N/A          |
| 3349 | Brexpiprazole Impurity 46        | VS-B054052 | N/A          |
| 3350 | Brexpiprazole Impurity 47        | VS-B054053 | N/A          |
| 3351 | Brexpiprazole Impurity 48        | VS-B054054 | N/A          |
| 3352 | Brexpiprazole Impurity 49        | VS-B054055 | N/A          |
| 3353 | Brexpiprazole Impurity 50        | VS-B054056 | N/A          |
| 3354 | Brexpiprazole Impurity 51        | VS-B054057 | N/A          |
| 3355 | Brexpiprazole Impurity 52        | VS-B054058 | 2137823-20-0 |
| 3356 | Brexpiprazole Impurity 53        | VS-B054059 | N/A          |
| 3357 | Brexpiprazole Impurity 54        | VS-B054060 | 17913-18-7   |
| 3358 | Brexpiprazole Impurity 55        | VS-B054061 | 4457-67-4    |
| 3359 | Brexpiprazole Impurity 56        | VS-B054062 | 13179-96-9   |
| 3360 | Brexpiprazole Nitroso Impurity 1 | VS-B054063 | 2639426-95-0 |
| 3361 | Brexpiprazole Carbamate Impurity | VS-B054064 | N/A          |
| 3362 | Brigatinib                       | VS-B055000 | 1197953-54-0 |
| 3363 | Brimonidine                      | VS-B056000 | 59803-98-4   |
| 3364 | Brimonidine EP Impurity A        | VS-B056001 | 91147-43-2   |
| 3365 | Brimonidine EP Impurity B        | VS-B056002 | 50358-63-9   |
| 3366 | Brimonidine EP Impurity C        | VS-B056003 | 6298-37-9    |
| 3367 | Brimonidine EP Impurity D        | VS-B056004 | 842138-74-3  |
| 3368 | Brimonidine EP Impurity E        | VS-B056005 | N/A          |
| 3369 | Brimonidine EP Impurity F        | VS-B056006 | 151110-15-5  |
| 3370 | Brimonidine EP Impurity G        | VS-B056007 | 1216379-05-3 |

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| 3371 | Brimonidine EP Impurity G (TFA Salt)        | VS-B056008 | 1391054-10-6 |
| 3372 | Brimonidine EP Impurity H                   | VS-B056009 | 91147-46-5   |
| 3373 | Brimonidine Carbamothioate Impurity         | VS-B056010 | 842138-75-4  |
| 3374 | Brimonidine 2,3-Dione Impurity              | VS-B056011 | 182627-95-8  |
| 3375 | Brimonidine D-Tartrate                      | VS-B056012 | 70359-46-5   |
| 3376 | Brimonidine Tartrate Impurity               | VS-B056013 | N/A          |
| 3377 | Brimonidine Tartrate Impurity 2             | VS-B056014 | N/A          |
| 3378 | Brimonidine Tartrate Impurity 3             | VS-B056015 | 1217439-06-9 |
| 3379 | Brimonidine Related Impurity 3              | VS-B056016 | 135306-56-8  |
| 3380 | Brimonidine Related Impurity 4              | VS-B056017 | 182628-02-0  |
| 3381 | Brimonidine Dimer                           | VS-B056018 | N/A          |
| 3382 | Brimonidine Acrylate                        | VS-B056019 | N/A          |
| 3383 | N-tert-Butyloxycarbonyl Hydroxy Brimonidine | VS-B056020 | 1391053-57-8 |
| 3384 | Brimonidine Open Ring Impurity              | VS-B056021 | 134892-47-0  |
| 3385 | Acetyl Brimonidine Impurity                 | VS-B056022 | 1158184-23-6 |
| 3386 | Brimonidine Impurity I                      | VS-B056023 | 134892-46-9  |
| 3387 | Brimonidine Impurity 1                      | VS-B056024 | N/A          |
| 3388 | Brimonidine Impurity 2                      | VS-B056025 | N/A          |
| 3389 | Brimonidine Impurity 3                      | VS-B056026 | N/A          |
| 3390 | Brimonidine Impurity 4                      | VS-B056027 | N/A          |
| 3391 | Brimonidine Impurity 5                      | VS-B056028 | N/A          |
| 3392 | Brimonidine Impurity 6                      | VS-B056029 | N/A          |
| 3393 | Brimonidine Impurity 7                      | VS-B056030 | N/A          |
| 3394 | Brimonidine Impurity 8                      | VS-B056031 | 185312-10-1  |
| 3395 | Brimonidine Impurity 9                      | VS-B056032 | N/A          |
| 3396 | Brimonidine Impurity 10                     | VS-B056033 | N/A          |
| 3397 | Brimonidine Impurity 11                     | VS-B056034 | N/A          |
| 3398 | Brimonidine Impurity 12                     | VS-B056035 | N/A          |
| 3399 | Brimonidine Impurity 13                     | VS-B056036 | N/A          |
| 3400 | Brimonidine Impurity 14                     | VS-B056037 | N/A          |
| 3401 | Brimonidine Impurity 15                     | VS-B056038 | N/A          |
| 3402 | Brimonidine Impurity 16                     | VS-B056039 | 168329-48-4  |
| 3403 | Brinzolamide                                | VS-B057000 | 138890-62-7  |
| 3404 | Brinzolamide USP RC A                       | VS-B057001 | 154127-19-2  |
| 3405 | Brinzolamide Related Compound A             | VS-B057002 | 165117-54-4  |
| 3406 | Brinzolamide USP RC B                       | VS-B057003 | 404034-55-5  |
| 3407 | Brinzolamide Impurity C                     | VS-B057004 | 186377-56-0  |
| 3408 | Brinzolamide Impurity D                     | VS-B057005 | 154127-42-1  |
| 3409 | Brinzolamide Impurity G                     | VS-B057006 | N/A          |
| 3410 | Brinzolamide Methanesulfonyl Amide          | VS-B057007 | N/A          |
| 3411 | N-Desethyl Brinzolamide                     | VS-B057008 | 2109554-77-8 |
| 3412 | Brinzolamide Tosyl Impurity                 | VS-B057009 | N/A          |
| 3413 | Brinzolamide N-Ethanol Impurity             | VS-B057010 | N/A          |
| 3414 | Brinzolamide Impurity 1                     | VS-B057011 | N/A          |
| 3415 | Brinzolamide Impurity 2                     | VS-B057012 | N/A          |
| 3416 | Brinzolamide Impurity 4                     | VS-B057013 | 154127-41-0  |
| 3417 | Brinzolamide Impurity 5                     | VS-B057014 | N/A          |

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| 3418 | Brinzolamide Impurity 6             | VS-B057015 | N/A          |
| 3419 | Brinzolamide Impurity 7             | VS-B057016 | N/A          |
| 3420 | Brinzolamide Impurity 8             | VS-B057017 | N/A          |
| 3421 | Brinzolamide Impurity 9             | VS-B057018 | N/A          |
| 3422 | Brinzolamide Impurity 10            | VS-B057019 | 138890-58-1  |
| 3423 | Brinzolamide Impurity 11            | VS-B057020 | 2245358-54-5 |
| 3424 | Brinzolamide Impurity 12            | VS-B057021 | 171273-35-1  |
| 3425 | Brivanib                            | VS-B058000 | 649735-46-6  |
| 3426 | Brivanib Alaninate                  | VS-B058001 | 649735-63-7  |
| 3427 | Brivaracetam                        | VS-B059000 | 357336-20-0  |
| 3428 | Berivaracetam Acid                  | VS-B059001 | 943986-67-2  |
| 3429 | Brivaracetam Impurity B             | VS-B059002 | N/A          |
| 3430 | (R)-2-aminobutanamide hydrochloride | VS-B059003 | 103765-03-3  |
| 3431 | Brivaracetam (alfaR, 4R)-Isomer     | VS-B059004 | 357337-00-9  |
| 3432 | Brivaracetam (alfaS, 4S)-Isomer     | VS-B059005 | 357336-19-7  |
| 3433 | Brivaracetam (alfaR, 4S)-Isomer     | VS-B059006 | 357336-99-3  |
| 3434 | Brivaracetam (Racemate)             | VS-B059007 | 357335-87-6  |
| 3435 | Brivaracetam Impurity 1             | VS-B059008 | N/A          |
| 3436 | Brivaracetam Impurity 2             | VS-B059009 | N/A          |
| 3437 | Brivaracetam Impurity 3             | VS-B059010 | 1956435-91-8 |
| 3438 | Brivaracetam Impurity 4             | VS-B059011 | 1928755-17-2 |
| 3439 | Brivaracetam Impurity 5             | VS-B059012 | N/A          |
| 3440 | Brivaracetam Impurity 6             | VS-B059013 | 2165431-90-1 |
| 3441 | Brivaracetam Impurity 7             | VS-B059014 | N/A          |
| 3442 | Brivaracetam Impurity 8             | VS-B059015 | 357336-94-8  |
| 3443 | Brivaracetam Impurity 9             | VS-B059016 | 1437631-18-9 |
| 3444 | Brivaracetam Impurity 10            | VS-B059017 | 63095-51-2   |
| 3445 | Brivaracetam Impurity 11            | VS-B059018 | 2242647-55-6 |
| 3446 | Brivudine                           | VS-B060000 | 69304-47-8   |
| 3447 | alfa-(Z)-Brivudine                  | VS-B060001 | N/A          |
| 3448 | beta-(Z)-Brivudine                  | VS-B060002 | 77530-02-0   |
| 3449 | Brivudine Alpha anomer              | VS-B060003 | 78731-55-2   |
| 3450 | Brivudine Impurity 1                | VS-B060004 | 69304-49-0   |
| 3451 | Brivudine Impurity 2                | VS-B060005 | 6979-97-1    |
| 3452 | Brivudine Impurity 3                | VS-B060006 | 114192-44-8  |
| 3453 | Brivudine Impurity 4                | VS-B060007 | 61135-36-2   |
| 3454 | Bromfenac                           | VS-B061000 | 91714-94-2   |
| 3455 | Bromfenac Lactam                    | VS-B061001 | 91713-91-6   |
| 3456 | Bromfenac Glucuronide               | VS-B061002 | N/A          |
| 3457 | Bromfenac Glucoside                 | VS-B061003 | N/A          |
| 3458 | Bromfenac (indol-indol) Dimer       | VS-B061004 | 2469279-10-3 |
| 3459 | Bromfenac Impurity A                | VS-B061005 | 1279501-08-4 |
| 3460 | Bromfenac Impurity B                | VS-B061006 | 91713-90-5   |
| 3461 | Bromfenac Impurity E                | VS-B061007 | N/A          |
| 3462 | Bromfenac Impurity 1                | VS-B061008 | 1798431-98-7 |
| 3463 | Bromfenac Impurity 2                | VS-B061009 | 845276-75-7  |
| 3464 | Bromfenac Impurity 3                | VS-B061010 | 136266-79-0  |

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| 3465 | Bromfenac Impurity 4                                               | VS-B061011 | 241496-82-2  |
| 3466 | Bromfenac Impurity 5                                               | VS-B061012 | 1391052-54-2 |
| 3467 | Bromfenac Impurity 6                                               | VS-B061013 | 241825-88-7  |
| 3468 | Bromfenac Impurity 7                                               | VS-B061014 | 126849-31-8  |
| 3469 | Bromfenac Impurity 8                                               | VS-B061015 | 241825-87-6  |
| 3470 | Bromhexine                                                         | VS-B062000 | 3572-43-8    |
| 3471 | Bromhexine Acid                                                    | VS-B062001 | 609-85-8     |
| 3472 | Bromhexine Impurity (N-(2-Nitrobenzyl)-N-cyclohexyl-N-methylamine) | VS-B062002 | 80638-08-0   |
| 3473 | Bromhexine N-Oxide                                                 | VS-B062003 | N/A          |
| 3474 | Bromhexine EP Impurity A                                           | VS-B062004 | 50739-76-9   |
| 3475 | Bromhexine EP Impurity B                                           | VS-B062005 | 50910-55-9   |
| 3476 | Bromhexine EP Impurity C                                           | VS-B062006 | 57365-08-9   |
| 3477 | Bromhexine EP Impurity D                                           | VS-B062007 | 10076-98-9   |
| 3478 | Bromhexine EP Impurity E                                           | VS-B062008 | 1661064-00-1 |
| 3479 | Bromhexine Related Compound 1 HCl                                  | VS-B062009 | N/A          |
| 3480 | Bromhexine Related Compound 2 HCl                                  | VS-B062010 | 1660957-96-9 |
| 3481 | Bromhexine Related Compound 3                                      | VS-B062011 | 2512203-87-9 |
| 3482 | Bromhexine Related Compound 4                                      | VS-B062012 | 21237-84-3   |
| 3483 | Bromhexine Impurity 1                                              | VS-B062013 | N/A          |
| 3484 | Bromhexine EP Impurity E (Cl Salt)                                 | VS-B062014 | 1660957-93-6 |
| 3485 | Bromocriptine Mesilate                                             | VS-B063000 | 22260-51-1   |
| 3486 | Bromocriptine Mesilate EP Impurity A                               | VS-B063001 | N/A          |
| 3487 | Bromocriptine Mesilate EP Impurity B                               | VS-B063002 | 511-09-1     |
| 3488 | Bromocriptine Mesilate EP Impurity C                               | VS-B063003 | 65700-36-9   |
| 3489 | Bromocriptine Mesilate EP Impurity D                               | VS-B063004 | 86017-98-3   |
| 3490 | Bromocriptine Mesilate EP Impurity E                               | VS-B063005 | 2492-53-7    |
| 3491 | Bromocriptine Mesilate EP Impurity F                               | VS-B063006 | 82773-21-5   |
| 3492 | Bromocriptine Mesilate EP Impurity G                               | VS-B063007 | N/A          |
| 3493 | Bromopride                                                         | VS-B064000 | 4093-35-0    |
| 3494 | Bromopride Impurity A                                              | VS-B064001 | 94135-22-5   |
| 3495 | Bromopride Impurity C                                              | VS-B064002 | 35290-97-2   |
| 3496 | Bromopride Impurity 1                                              | VS-B064003 | 67903-51-9   |
| 3497 | Bromopride Impurity 2                                              | VS-B064004 | 4093-34-9    |
| 3498 | Brompheniramine Maleate                                            | VS-B065000 | 980-71-2     |
| 3499 | Brompheniramine Maleate EP Impurity A                              | VS-B065001 | 132-22-9     |
| 3500 | Brompheniramine Maleate EP Impurity C                              | VS-B065002 | 86-21-5      |
| 3501 | Brompheniramine N-Oxide                                            | VS-B065003 | 18453-29-7   |
| 3502 | Desmethylobrompheniramine HCl                                      | VS-B065004 | N/A          |
| 3503 | Desmethylobrompheniramine Maleate                                  | VS-B065005 | N/A          |
| 3504 | Buclizine                                                          | VS-B066000 | 82-95-1      |
| 3505 | Buclizine Impurity A                                               | VS-B066001 | 346451-15-8  |
| 3506 | Buclizine Impurity B                                               | VS-B066002 | 303-26-4     |
| 3507 | Buclizine Impurity C                                               | VS-B066003 | 134-85-0     |
| 3508 | Budesonide                                                         | VS-B067000 | 51333-22-3   |
| 3509 | Budesonide EP Impurity A                                           | VS-B067001 | 13951-70-7   |
| 3510 | Budesonide EP Impurity B                                           | VS-B067002 | 1040085-98-0 |
| 3511 | Budesonide EP Impurity C                                           | VS-B067003 | 1040085-99-1 |

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| 3512 | Budesonide EP Impurity D                     | VS-B067004 | 85234-63-5   |
| 3513 | Budesonide EP Impurity E                     | VS-B067005 | 131918-64-4  |
| 3514 | Budesonide EP Impurity F                     | VS-B067006 | 638-94-8     |
| 3515 | Budesonide EP Impurity G                     | VS-B067007 | 137174-25-5  |
| 3516 | Budesonide EP Impurity H                     | VS-B067008 | 313474-58-7  |
| 3517 | Budesonide EP Impurity I                     | VS-B067009 | 113930-13-5  |
| 3518 | Budesonide EP Impurity J                     | VS-B067010 | 313474-59-8  |
| 3519 | Budesonide EP Impurity K                     | VS-B067011 | 51333-05-2   |
| 3520 | Budesonide EP Impurity L                     | VS-B067012 | 216453-74-6  |
| 3521 | Budesonide (22R)-Isomer                      | VS-B067013 | 51372-29-3   |
| 3522 | Budesonide (22S)-Isomer                      | VS-B067014 | 51372-28-2   |
| 3523 | Budesonide 1,4,14-Triene Triol Impurity      | VS-B067015 | 131918-72-4  |
| 3524 | Budesonide 1,4,16-Triene Impurity            | VS-B067016 | 3044-42-6    |
| 3525 | Budesonide 17,21-Diacetyloxy Impurity        | VS-B067017 | 17652-24-3   |
| 3526 | Budesonide 17-Carboxylic Acid Impurity       | VS-B067018 | 192057-49-1  |
| 3527 | Budesonide 21-Butyrate Impurity              | VS-B067019 | 2408495-96-3 |
| 3528 | Budesonide 6-alpha-Hydroxy Impurity          | VS-B067020 | 577777-51-6  |
| 3529 | Budesonide 6-beta-Hydroxy Impurity           | VS-B067021 | 88411-77-2   |
| 3530 | Budesonide Sulfate Sodium                    | VS-B067022 | N/A          |
| 3531 | 23-Hydroxy Budesonide                        | VS-B067023 | 109423-03-2  |
| 3532 | 24-Hydroxy Budesonide                        | VS-B067024 | N/A          |
| 3533 | 6-Beta-Hydroxy Budesonide Sulfate            | VS-B067025 | N/A          |
| 3534 | Androstandionic Impurity                     | VS-B067026 | 85234-64-6   |
| 3535 | Budesonide Propionaldehyde Impurity          | VS-B067027 | 68293-09-4   |
| 3536 | 16 $\alpha$ -Hydroxycortisol                 | VS-B067028 | 1171-81-9    |
| 3537 | Lumibudesonide                               | VS-B067029 | N/A          |
| 3538 | Budesonide Related Compound 2                | VS-B067030 | 77017-17-5   |
| 3539 | Budesonide 21-Butyrate                       | VS-B067032 | N/A          |
| 3540 | Budesonide Pyruvic Acid Analog               | VS-B067033 | N/A          |
| 3541 | Budesonide Impurity 9                        | VS-B067034 | 910299-74-0  |
| 3542 | Budesonide Impurity 1                        | VS-B067035 | N/A          |
| 3543 | Budesonide Impurity 2                        | VS-B067036 | N/A          |
| 3544 | Budesonide Impurity 3                        | VS-B067037 | N/A          |
| 3545 | Budesonide Impurity 4                        | VS-B067038 | N/A          |
| 3546 | Budesonide Impurity 5                        | VS-B067039 | N/A          |
| 3547 | Budesonide Impurity 6                        | VS-B067040 | 77017-20-0   |
| 3548 | Budesonide Impurity 7                        | VS-B067041 | 39672-76-9   |
| 3549 | Budesonide Impurity 8                        | VS-B067042 | N/A          |
| 3550 | Bumetanide                                   | VS-B068000 | 28395-03-1   |
| 3551 | Bumetanide EP Impurity A                     | VS-B068001 | 28328-53-2   |
| 3552 | Bumetanide EP Impurity B                     | VS-B068002 | 28328-54-3   |
| 3553 | Bumetanide EP Impurity C                     | VS-B068003 | 32643-00-8   |
| 3554 | Bumetanide EP Impurity D                     | VS-B068004 | 153012-65-8  |
| 3555 | 3-Nitro-4-phenoxy-5-sulfamoylbenzoic Acid D5 | VS-B068005 | 1072125-53-1 |
| 3556 | Bumetanide Acyl Glucuronide                  | VS-B068006 | 102623-14-3  |
| 3557 | Bumetanide Lactose Adduct Impurity           | VS-B068007 | N/A          |
| 3558 | Bumetanide Impurity 1                        | VS-B068008 | 28395-28-0   |

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| 3559 | Bumetanide Impurity 2                                                                                  | VS-B068009 | N/A          |
| 3560 | Bumetanide Impurity 3                                                                                  | VS-B068010 | N/A          |
| 3561 | Bupivacaine                                                                                            | VS-B069000 | 38396-39-3   |
| 3562 | Bupivacaine HCl                                                                                        | VS-B069001 | 18010-40-7   |
| 3563 | Bupivacaine N-Oxide HCl                                                                                | VS-B069002 | 1796927-05-3 |
| 3564 | Picolonic acid                                                                                         | VS-B069003 | 98-98-6      |
| 3565 | Desbutyl Bupivacaine Nitroso Impurity                                                                  | VS-B069004 | N/A          |
| 3566 | Bupivacaine 4-Hydroxy N-Desbutyl Impurity                                                              | VS-B069005 | 51989-48-1   |
| 3567 | Bupivacaine EP Impurity A                                                                              | VS-B069006 | 39627-98-0   |
| 3568 | Bupivacaine EP Impurity B                                                                              | VS-B069007 | 15883-20-2   |
| 3569 | Bupivacaine EP Impurity C                                                                              | VS-B069008 | 1797894-80-4 |
| 3570 | Bupivacaine EP Impurity D                                                                              | VS-B069009 | 1037184-07-8 |
| 3571 | Bupivacaine EP Impurity E                                                                              | VS-B069010 | 1330172-81-0 |
| 3572 | Bupivacaine EP Impurity F                                                                              | VS-B069011 | 87-62-7      |
| 3573 | Bupivacaine Impurity 1                                                                                 | VS-B069012 | 96-88-8      |
| 3574 | Bupivacaine Impurity 2                                                                                 | VS-B069013 | N/A          |
| 3575 | Bupivacaine Impurity 3                                                                                 | VS-B069014 | N/A          |
| 3576 | Bupivacaine Impurity 4                                                                                 | VS-B069015 | N/A          |
| 3577 | Bupivacaine Impurity 5                                                                                 | VS-B069016 | N/A          |
| 3578 | Bupivacaine Impurity 6                                                                                 | VS-B069017 | N/A          |
| 3579 | Bupivacaine Impurity 7                                                                                 | VS-B069018 | 920007-12-1  |
| 3580 | Bupivacaine Impurity 8                                                                                 | VS-B069019 | 125452-72-4  |
| 3581 | Bupivacaine Impurity 9                                                                                 | VS-B069020 | 5077-75-8    |
| 3582 | Bupivacaine Impurity 10                                                                                | VS-B069021 | 856838-98-7  |
| 3583 | Bupivacaine Impurity 11                                                                                | VS-B069022 | 65797-42-4   |
| 3584 | (S)-Bupivacaine Hydrochloride                                                                          | VS-B069023 | 27262-48-2   |
| 3585 | Bupropion                                                                                              | VS-B070000 | 34911-55-2   |
| 3586 | Bupropion Hydrobromide                                                                                 | VS-B070001 | 905818-69-1  |
| 3587 | Bupropion Hydrochloride                                                                                | VS-B070002 | 31677-93-7   |
| 3588 | Bupropion Des-t-Butylamino Impurity                                                                    | VS-B070003 | 34841-35-5   |
| 3589 | Bupropion USP Related Compound A                                                                       | VS-B070004 | 1049718-72-0 |
| 3590 | Bupropion USP Related Compound B                                                                       | VS-B070005 | 1049718-43-5 |
| 3591 | Bupropion USP Related Compound C                                                                       | VS-B070006 | 152943-33-4  |
| 3592 | Bupropion Related Compound D                                                                           | VS-B070007 | 63199-74-6   |
| 3593 | Bupropion Related Compound E                                                                           | VS-B070008 | 10557-17-2   |
| 3594 | Bupropion USP Related Compound F                                                                       | VS-B070009 | 857233-13-7  |
| 3595 | Bupropion 2'-Chloro Analog                                                                             | VS-B070010 | 1049718-57-1 |
| 3596 | Bupropion 2-Bromo Impurity                                                                             | VS-B070011 | 34911-51-8   |
| 3597 | Bupropion 3,5-Dichloro Impurity (HCl)                                                                  | VS-B070012 | 1346603-00-6 |
| 3598 | Bupropion 3,4-Dichloro Impurity                                                                        | VS-B070013 | 1346598-72-8 |
| 3599 | Erythro Hydroxy Bupropion                                                                              | VS-B070014 | 102141-11-7  |
| 3600 | Threo Hydroxy Bupropion                                                                                | VS-B070015 | 153365-82-3  |
| 3601 | m-Chlorobenzoic acid                                                                                   | VS-B070016 | 535-80-8     |
| 3602 | Bupropion Hydroxy Cyclic Impurity                                                                      | VS-B070017 | 357399-43-0  |
| 3603 | Bupropion Impurity ((3R,5R,6R)-6-(3-Chlorophenyl)-6-Hydroxy-5-Methyl-3-Thiomorpholine Carboxylic Acid) | VS-B070018 | 1246812-57-6 |
| 3604 | (R,R)-Hydroxy Bupropion                                                                                | VS-B070019 | 192374-15-5  |

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| 3605 | (S,S)-Hydroxy Bupropion                  | VS-B070020 | 192374-14-4  |
| 3606 | (3S,5R,6R)-Bupropion Impurity            | VS-B070021 | 2133460-43-0 |
| 3607 | (3S,5S,6S)-Bupropion Impurity            | VS-B070022 | 2133460-42-9 |
| 3608 | Hydroxybupropion                         | VS-B070023 | 92264-81-8   |
| 3609 | Bupropion 3,5-Dichloro Impurity          | VS-B070024 | 1193779-48-4 |
| 3610 | Bupropion Impurity 1                     | VS-B070025 | N/A          |
| 3611 | Bupropion Impurity 2                     | VS-B070026 | 92821-92-6   |
| 3612 | Bupropion Impurity 3                     | VS-B070027 | 6323-18-8    |
| 3613 | Bupropion Impurity 4                     | VS-B070028 | 1049974-35-7 |
| 3614 | Bupropion Impurity 6                     | VS-B070029 | N/A          |
| 3615 | Bupropion Impurity 7                     | VS-B070030 | N/A          |
| 3616 | Bupropion Impurity 12                    | VS-B070031 | 75815-22-4   |
| 3617 | Bupropion Impurity 13                    | VS-B070032 | 87427-61-0   |
| 3618 | Bupropion Impurity 14                    | VS-B070033 | 92821-91-5   |
| 3619 | Bupropion Impurity 15                    | VS-B070034 | 76650-08-3   |
| 3620 | Bupropion Impurity 16                    | VS-B070035 | 99846-93-2   |
| 3621 | 4-Chloro Bupropion                       | VS-B070036 | 1193779-34-8 |
| 3622 | Bupropion Amine Impurity                 | VS-B070037 | 119802-69-6  |
| 3623 | Bupropion Nitroso Impurity               | VS-B070038 | 2763780-10-3 |
| 3624 | Bupropion Dihydro racemate impurity HCl  | VS-B070039 | 1396889-62-5 |
| 3625 | rac threo-Dihydro Bupropion              | VS-B070040 | 119802-68-5  |
| 3626 | (3S,5S,6S)-Bupropion Impurity (TFA Salt) | VS-B070041 | N/A          |
| 3627 | (3S,5R,6R)-Bupropion Impurity (TFA Salt) | VS-B070042 | N/A          |
| 3628 | Bupropion Amino Impurity (HCl)           | VS-B070043 | 2227990-16-9 |
| 3629 | Buserelin                                | VS-B071000 | 57982-77-1   |
| 3630 | Buserelin EP Impurity A                  | VS-B071001 | 1872434-99-5 |
| 3631 | Buserelin EP Impurity B                  | VS-B071002 | 1926163-21-4 |
| 3632 | Buserelin EP Impurity C                  | VS-B071003 | 70280-55-6   |
| 3633 | Buserelin EP Impurity D                  | VS-B071004 | 88699-82-5   |
| 3634 | Buserelin EP Impurity E                  | VS-B071005 | 1926163-20-3 |
| 3635 | Buserelin EP Impurity F                  | VS-B071006 | N/A          |
| 3636 | Buserelin EP Impurity G                  | VS-B071007 | N/A          |
| 3637 | Buspirone Hydrochloride                  | VS-B072000 | 33386-08-2   |
| 3638 | Buspirone EP Impurity A                  | VS-B072001 | 20980-22-7   |
| 3639 | Buspirone EP Impurity B                  | VS-B072002 | 81461-73-6   |
| 3640 | Buspirone EP Impurity C                  | VS-B072003 | 257877-45-5  |
| 3641 | Buspirone EP Impurity D                  | VS-B072004 | N/A          |
| 3642 | Buspirone EP Impurity E (Na Salt)        | VS-B072005 | N/A          |
| 3643 | Buspirone EP Impurity E HCl              | VS-B072006 | 257877-46-6  |
| 3644 | Buspirone EP Impurity F                  | VS-B072007 | 2512210-24-9 |
| 3645 | Buspirone EP Impurity G                  | VS-B072008 | 84746-24-7   |
| 3646 | Buspirone EP Impurity H                  | VS-B072009 | 2708578-34-9 |
| 3647 | Buspirone EP Impurity I                  | VS-B072010 | 2725354-99-2 |
| 3648 | Buspirone EP Impurity J                  | VS-B072011 | 2726492-72-2 |
| 3649 | Buspirone EP Impurity K                  | VS-B072012 | 1075-89-4    |
| 3650 | Buspirone EP Impurity L                  | VS-B072013 | 21098-11-3   |
| 3651 | Buspirone EP Impurity M                  | VS-B072014 | 80827-62-9   |

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| 3652 | Buspirone EP Impurity N              | VS-B072015 | 257877-44-4  |
| 3653 | Buspirone 5-Hydroxy Metabolite       | VS-B072016 | 105496-33-1  |
| 3654 | Buspirone 6-Hydroxy Metabolite       | VS-B072017 | 125481-61-0  |
| 3655 | Buspirone N-Oxide                    | VS-B072018 | 220747-81-9  |
| 3656 | 1,4-Dinitrosopiperazine              | VS-B072019 | 140-79-4     |
| 3657 | Buspirone Nitroso Impurity 1         | VS-B072020 | 872826-80-7  |
| 3658 | Buspirone EP Impurity E              | VS-B072021 | 257877-43-3  |
| 3659 | Buspirone EP Impurity F (Dioxalate)  | VS-B072022 | 2724510-62-5 |
| 3660 | Buspirone EP Impurity J (Oxalate)    | VS-B072023 | 2726492-73-3 |
| 3661 | Busulfan                             | VS-B073000 | 55-98-1      |
| 3662 | Busulfan Impurity 1                  | VS-B073001 | 1797106-48-9 |
| 3663 | Busulfan Impurity 2                  | VS-B073002 | N/A          |
| 3664 | Busulfan Impurity 3                  | VS-B073003 | 26978-64-3   |
| 3665 | Busulfan Impurity 4                  | VS-B073004 | 42729-95-3   |
| 3666 | Busulfan Impurity 5                  | VS-B073005 | 19859-00-8   |
| 3667 | Busulfan Impurity 6                  | VS-B073006 | 5539-53-7    |
| 3668 | Busulfan Impurity 7                  | VS-B073007 | 183278-30-0  |
| 3669 | Butamirate Citrate                   | VS-B074001 | 18109-81-4   |
| 3670 | Butamirate-N-Oxide                   | VS-B074002 | N/A          |
| 3671 | Butamirate Impurity A                | VS-B074003 | 140-82-9     |
| 3672 | Butamirate Impurity B1               | VS-B074004 | 90-27-7      |
| 3673 | Butamirate Impurity B2               | VS-B074005 | N/A          |
| 3674 | Butamirate Impurity C (CITRATE SALT) | VS-B074006 | 33987-92-7   |
| 3675 | Butamirate Impurity D                | VS-B074007 | 92321-53-4   |
| 3676 | Butamirate Impurity 1                | VS-B074008 | N/A          |
| 3677 | Butamirate Impurity 2                | VS-B074009 | 2294-71-5    |
| 3678 | Butamirate Impurity 3                | VS-B074010 | 14007-64-8   |
| 3679 | Butamirate Impurity C                | VS-B074011 | 47092-75-1   |
| 3680 | Butamirate Impurity E                | VS-B074012 | 103-82-2     |
| 3681 | Butenafine                           | VS-B075000 | 101828-21-1  |
| 3682 | Butenafine Impurity 1                | VS-B075001 | 209046-65-1  |
| 3683 | Butenafine Impurity 2                | VS-B075002 | 101827-53-6  |
| 3684 | Butenafine Impurity 3                | VS-B075003 | 19692-45-6   |
| 3685 | Butenafine Impurity 5                | VS-B075004 | 79135-60-7   |
| 3686 | Butenafine Impurity 6                | VS-B075005 | 153357-88-1  |
| 3687 | Butoconazole                         | VS-B076000 | 64872-76-0   |
| 3688 | Butoconazole Impurity 1              | VS-B076001 | 67085-12-5   |
| 3689 | Butoconazole Impurity 2              | VS-B076002 | 67085-11-4   |
| 3690 | Butoconazole Impurity 3              | VS-B076003 | 59363-13-2   |
| 3691 | Butoconazole Impurity 4              | VS-B076004 | N/A          |
| 3692 | Butoconazole Impurity 5              | VS-B076005 | 59363-17-6   |
| 3693 | Butoconazole Impurity 6              | VS-B076006 | N/A          |
| 3694 | Butoconazole Impurity 7              | VS-B076007 | N/A          |
| 3695 | Butoconazole Impurity 8              | VS-B076008 | 98011-62-2   |
| 3696 | Butoconazole Impurity 9              | VS-B076009 | N/A          |
| 3697 | Butoconazole Nitrate                 | VS-B076010 | 64872-77-1   |
| 3698 | Bendroflumethiazide                  | VS-B077000 | 73-48-3      |



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| 3699 | Bendroflumethiazide EP Impurity A              | VS-B077001 | 654-62-6     |
| 3700 | Bedaquiline Fumarate                           | VS-B078000 | 845533-86-0  |
| 3701 | Bedaquiline Des-Bromo Impurity                 | VS-B078001 | NA           |
| 3702 | Bedaquiline Impurity 1 (Mixture) Fumarate Salt | VS-B078002 | NA           |
| 3703 | Bedaquiline Impurity 2 (Mixture) Fumarate Salt | VS-B078003 | NA           |
| 3704 | Bedaquiline Impurity 3 Fumarate Salt           | VS-B078004 | NA           |
| 3705 | Bedaquiline Impurity 4                         | VS-B078005 | NA           |
| 3706 | Bedaquiline Impurity 5                         | VS-B078006 | 654655-69-3  |
| 3707 | Bedaquiline Impurity 6                         | VS-B078007 | 10320-49-7   |
| 3708 | Rac-Bedaquiline                                | VS-B078008 | 654655-80-8  |
| 3709 | Desmethoxy Bedaquiline                         | VS-B078009 | 2924118-10-3 |
| 3710 | Bedaquiline Impurity 7                         | VS-B078010 | 39648-67-4   |
| 3711 | Bedaquiline N-Oxide Impurity                   | VS-B078011 | 2924118-12-5 |
| 3712 | Bedaquiline                                    | VS-B078012 | 843663-66-1  |
| 3713 | Bedaquiline Impurity 8                         | VS-B078013 | 1381767-10-7 |
| 3714 | Bedaquiline Impurity 9                         | VS-B078014 | NA           |
| 3715 | Bedaquiline D6                                 | VS-B078015 | NA           |
| 3716 | N-Nitroso Bedaquiline Impurity 1               | VS-B078016 | NA           |
| 3717 | N-Nitroso Bedaquiline Impurity 2               | VS-B078017 | NA           |
| 3718 | N-Nitroso Bedaquiline Impurity 3               | VS-B078018 | NA           |
| 3719 | Bedaquiline Nitroso Impurity 1                 | VS-B078019 | NA           |
| 3720 | Bisacodyl                                      | VS-B079000 | 603-50-9     |
| 3721 | Bisacodyl EP Impurity A                        | VS-B079001 | 603-41-8     |
| 3722 | Bisacodyl EP Impurity B                        | VS-B079002 | 16985-05-0   |
| 3723 | Bisacodyl EP Impurity C                        | VS-B079003 | 72901-16-7   |
| 3724 | Bisacodyl EP Impurity E                        | VS-B079004 | 111664-35-8  |
| 3725 | Butylhydroxyanisole                            | VS-B080000 | 121-00-6     |
| 3726 | Butylhydroxyanisole EP Impurity A              | VS-B080001 | 123-31-9     |
| 3727 | 2-Tert-Butyl-4-hydroxyanisole                  | VS-B080002 | 88-32-4      |
| 3728 | Benethamine Penicillin Impurity G              | VS-B081000 | NA           |
| 3729 | Benethamine Penicillin Nitroso Impurity        | VS-B081001 | NA           |
| 3730 | Bacampicillin Hydrochloride                    | VS-B082000 | 37661-08-8   |
| 3731 | Bacampicillin EP Impurity A                    | VS-B082001 | 551-16-6     |
| 3732 | Bacampicillin EP Impurity B                    | VS-B082002 | 875-74-1     |
| 3733 | Bacampicillin EP Impurity C                    | VS-B082003 | 124774-48-7  |
| 3734 | Bacampicillin EP Impurity D                    | VS-B082004 | 71774-55-5   |
| 3735 | Bacampicillin EP Impurity E                    | VS-B082005 | 117558-00-6  |
| 3736 | Bacampicillin EP Impurity F                    | VS-B082006 | 52-66-4      |
| 3737 | Bacampicillin EP Impurity G                    | VS-B082007 | 24461-61-8   |
| 3738 | Bacampicillin EP Impurity H                    | VS-B082008 | NA           |
| 3739 | Bacampicillin EP Impurity I                    | VS-B082009 | 69-53-4      |
| 3740 | Bacopaside I                                   | VS-B083001 | 382148-47-2  |
| 3741 | Bacopaside II                                  | VS-B083002 | 382146-66-9  |
| 3742 | Bacopasaponin C                                | VS-B083003 | 178064-13-6  |
| 3743 | Bacopaside X                                   | VS-B083004 | 94443-88-6   |
| 3744 | Bacoside A3                                    | VS-B083005 | 157408-08-7  |
| 3745 | Baicalin                                       | VS-B084000 | 21967-41-9   |

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| 3746 | Bambuterol Hydrochloride                                                                     | VS-B085000 | 81732-46-9   |
| 3747 | Bambuterol EP Impurity A                                                                     | VS-B085001 | 23031-25-6   |
| 3748 | Bambuterol EP Impurity B                                                                     | VS-B085002 | 112935-92-9  |
| 3749 | Bambuterol EP Impurity C                                                                     | VS-B085003 | 81732-67-4   |
| 3750 | Bambuterol EP Impurity D                                                                     | VS-B085004 | 112935-93-0  |
| 3751 | Bambuterol EP Impurity E                                                                     | VS-B085005 | 81732-48-1   |
| 3752 | Bambuterol EP Impurity F                                                                     | VS-B085006 | 112935-94-1  |
| 3753 | Bemcentinib                                                                                  | VS-B086000 | 1037624-75-1 |
| 3754 | Bemotrizinol                                                                                 | VS-B087000 | 187393-00-6  |
| 3755 | Benvitimod                                                                                   | VS-B088000 | 115781-08-3  |
| 3756 | cis-Benvitimod                                                                               | VS-B088001 | 1622988-14-0 |
| 3757 | Benzethonium Chloride                                                                        | VS-B089000 | 121-54-0     |
| 3758 | Benzphetamine                                                                                | VS-B090000 | 156-08-1     |
| 3759 | Benzphetamine USP Related Compound A                                                         | VS-B090001 | 28646-36-8   |
| 3760 | Benzphetamine USP Related Compound E                                                         | VS-B090002 | 1591807-86-1 |
| 3761 | Benzphetamine USP Related Compound F                                                         | VS-B090003 | 1591761-34-0 |
| 3762 | Betacarotene                                                                                 | VS-B091000 | 7235-40-7    |
| 3763 | Biperiden Hydrochloride                                                                      | VS-B092000 | 1235-82-1    |
| 3764 | Biperiden Hydrochloride EP Impurity A                                                        | VS-B092001 | NA           |
| 3765 | Biperiden Hydrochloride EP Impurity B                                                        | VS-B092002 | NA           |
| 3766 | Biperiden Hydrochloride EP Impurity C                                                        | VS-B092003 | NA           |
| 3767 | Biperiden Hydrochloride EP Impurity D                                                        | VS-B092004 | 93778-71-3   |
| 3768 | Biperiden Hydrochloride EP Impurity E                                                        | VS-B092005 | NA           |
| 3769 | Biperiden Hydrochloride EP Impurity F                                                        | VS-B092006 | 71-43-2      |
| 3770 | Biperiden Epoxide                                                                            | VS-B092007 | NA           |
| 3771 | Biperiden Lactate                                                                            | VS-B092008 | 7085-45-2    |
| 3772 | 5-Norbornene-2-carbonitrile, mixture of isomers                                              | VS-B092009 | 95-11-4      |
| 3773 | 5-Cyano-2-norbornene (Exo isomer)                                                            | VS-B092010 | 2890-96-2    |
| 3774 | 5-Cyano-2-norbornene (Endo isomer)                                                           | VS-B092011 | NA           |
| 3775 | 5-Acetyl-2-norbornene (Endo isomer)                                                          | VS-B092012 | NA           |
| 3776 | 5-Acetyl-2-norbornene (Exo isomer)                                                           | VS-B092013 | NA           |
| 3777 | 5-Acetyl-2-norbornene(Exo & Endo isomers mixture)                                            | VS-B092014 | 06-03-63     |
| 3778 | 1-(bicyclo[2.2.1]hept-5-en-2-yl)-3-(piperidin-1-yl)propan-1-one (Exo & Endo isomers mixture) | VS-B092015 | 93778-71-3   |
| 3779 | 1-(bicyclo[2.2.1]hept-5-en-2-yl)-3-(piperidin-1-yl)propan-1-one (Endo isomer)                | VS-B092016 | NA           |
| 3780 | 1-(bicyclo[2.2.1]hept-5-en-2-yl)-3-(piperidin-1-yl)propan-1-one (Exo isomer)                 | VS-B092017 | NA           |
| 3781 | Bisotrizole                                                                                  | VS-B093000 | 103597-45-1  |
| 3782 | Bivalirudin                                                                                  | VS-B094000 | 128270-60-0  |
| 3783 | Beta-Boswellic Acid                                                                          | VS-B095000 | 631-69-6     |
| 3784 | Brassicasterol                                                                               | VS-B096000 | 474-67-9     |
| 3785 | Brassinolide                                                                                 | VS-B097000 | 72962-43-7   |
| 3786 | Epibrassinolide                                                                              | VS-B097001 | 78821-43-9   |
| 3787 | Bromazepam                                                                                   | VS-B098000 | 1812-30-2    |
| 3788 | Bromazepam EP Impurity A                                                                     | VS-B098001 | 1563-56-0    |
| 3789 | Bromazepam EP Impurity B                                                                     | VS-B098002 | 41526-21-0   |

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| 3790 | Bromazepam EP Impurity C              | VS-B098003 | 868350-97-4  |
| 3791 | Bromazepam EP Impurity D              | VS-B098004 | 77616-97-8   |
| 3792 | Bromazepam EP Impurity E              | VS-B098005 | 1694-64-0    |
| 3793 | Bucindolol                            | VS-B099000 | 71119-11-4   |
| 3794 | Bucindolol Nitroso Impurity 1         | VS-B099001 | NA           |
| 3795 | Bucindolol Nitroso Impurity 2         | VS-B099002 | NA           |
| 3796 | Bucindolol Nitroso Impurity 3         | VS-B099003 | NA           |
| 3797 | Buprenorphine EP Impurity A           | VS-B100000 | 457071-73-7  |
| 3798 | Buprenorphine EP Impurity B           | VS-B100001 | 78715-23-8   |
| 3799 | Buprenorphine EP Impurity C           | VS-B100002 | 799773-67-4  |
| 3800 | Buprenorphine EP Impurity D           | VS-B100003 | 16524-65-5   |
| 3801 | Buprenorphine EP Impurity E           | VS-B100004 | 130668-48-3  |
| 3802 | Buprenorphine EP Impurity F           | VS-B100005 | 97203-04-8   |
| 3803 | Buprenorphine EP Impurity G           | VS-B100006 | NA           |
| 3804 | Buprenorphine EP Impurity H           | VS-B100007 | NA           |
| 3805 | Buprenorphine EP Impurity I           | VS-B100008 | 89663-73-0   |
| 3806 | Buprenorphine EP Impurity J           | VS-B100009 | 155203-05-7  |
| 3807 | Buprenorphine N-oxide                 | VS-B100010 | NA           |
| 3808 | 10-Oxo Buprenorphine                  | VS-B100011 | 1044710-08-8 |
| 3809 | Buprenorphine Nitrile                 | VS-B100012 | NA           |
| 3810 | Buprenorphine 7-(S)-Epimer            | VS-B100013 | NA           |
| 3811 | Benzylmorphine                        | VS-B100014 | 14297-87-1   |
| 3812 | Buprenorphine Impurity 1              | VS-B100015 | NA           |
| 3813 | Norbuprenorphine D3                   | VS-B100016 | 350482-19-8  |
| 3814 | N-Nitroso Buprenorphine EP Impurity B | VS-B100017 | NA           |
| 3815 | Butylhydroxytoluene                   | VS-B101000 | 128-37-0     |
| 3816 | Butylhydroxytoluene Impurity 1        | VS-B101001 | 20170-32-5   |
| 3817 | Butylhydroxytoluene Impurity 2        | VS-B101002 | 1611-03-6    |
| 3818 | Bibrocathol                           | VS-B102000 | 6915-57-7    |
| 3819 | Bacitracin                            | VS-B103000 | 1405-87-4    |
| 3820 | Bacitracin B1                         | VS-B103001 | 57762-79-5   |
| 3821 | Bacitracin B2                         | VS-B103002 | 57762-78-4   |
| 3822 | Bacitracin B3                         | VS-B103003 | 149146-32-7  |
| 3823 | Bacitracin EP Impurity A              | VS-B103004 | NA           |
| 3824 | Bacitracin EP Impurity B              | VS-B103005 | NA           |
| 3825 | Bacitracin EP Impurity C              | VS-B103006 | NA           |
| 3826 | Bacitracin EP Impurity D              | VS-B103007 | NA           |
| 3827 | Bacitracin EP Impurity E              | VS-B103008 | 22601-63-4   |
| 3828 | Bacitracin EP Impurity F              | VS-B103009 | 167289-64-7  |
| 3829 | Bacitracin EP Impurity G              | VS-B103010 | 144572-54-3  |
| 3830 | Bacitracin EP Impurity H              | VS-B103011 | 144572-55-4  |
| 3831 | Bacitracin EP Impurity I              | VS-B103012 | NA           |
| 3832 | Bacitracin EP Impurity J              | VS-B103013 | NA           |
| 3833 | Bacitracin EP Impurity K              | VS-B103014 | 144572-52-1  |
| 3834 | Bacitracin EP Impurity L              | VS-B103015 | NA           |
| 3835 | Bacitracin EP Impurity M              | VS-B103016 | NA           |
| 3836 | Bacitracin EP Impurity N              | VS-B103017 | NA           |

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| 3837 | Bacitracin EP Impurity Q                 | VS-B103018 | NA           |
| 3838 | Bacitracin EP Impurity O                 | VS-B103019 | NA           |
| 3839 | Bacitracin EP Impurity P                 | VS-B103020 | NA           |
| 3840 | Bacitracin Zinc                          | VS-B103021 | 1405-89-6    |
| 3841 | Belumosudil                              | VS-B104000 | 911417-87-3  |
| 3842 | N-Nitroso Belumosudil Nitroso Impurity 1 | VS-B104001 | NA           |
| 3843 | N-Nitroso Belumosudil Nitroso Impurity 2 | VS-B104002 | NA           |
| 3844 | Belzutifan                               | VS-B105000 | 1672668-24-4 |
| 3845 | Benperidol                               | VS-B106000 | 2062-84-2    |
| 3846 | Benperidol EP Impurity A                 | VS-B106001 | 20662-53-7   |
| 3847 | Benperidol EP Impurity B                 | VS-B106002 | NA           |
| 3848 | Benperidol EP Impurity C                 | VS-B106003 | NA           |
| 3849 | Benperidol EP Impurity D                 | VS-B106004 | NA           |
| 3850 | Benperidol EP Impurity E                 | VS-B106005 | NA           |
| 3851 | Berotralstat                             | VS-B107000 | 1809010-50-1 |
| 3852 | Biapenem                                 | VS-B108000 | 120410-24-4  |
| 3853 | Bifenthrin                               | VS-B109000 | 82657-04-3   |
| 3854 | Rac-Bifenthrin                           | VS-B109001 | 99267-18-2   |
| 3855 | Blonanserin                              | VS-B110000 | 132810-10-7  |
| 3856 | N-Nitroso Blonanserin Impurity 1         | VS-B110001 | NA           |
| 3857 | Boldine                                  | VS-B111000 | 476-70-0     |
| 3858 | Diacetyl Boldine                         | VS-B111001 | 72584-75-9   |
| 3859 | Boldine EP Impurity A                    | VS-B111002 | NA           |
| 3860 | Boldine EP Impurity B                    | VS-B111003 | 937018-76-3  |
| 3861 | Boldine EP Impurity C                    | VS-B111004 | 5890-18-6    |
| 3862 | Boldine EP Impurity D                    | VS-B111005 | 2169-44-0    |
| 3863 | Predicentrine                            | VS-B111006 | 517-65-7     |
| 3864 | Brodifacoum                              | VS-B112000 | 56073-10-0   |
| 3865 | Bromadiolone                             | VS-B113000 | 28772-56-7   |
| 3866 | Bronopol                                 | VS-B114000 | 52-51-7      |
| 3867 | Bronopol Impurity 1                      | VS-B114001 | 126-11-4     |
| 3868 | Brotizolam                               | VS-B115000 | 57801-81-7   |
| 3869 | Brotizolam EP Impurity A                 | VS-B115001 | 54123-29-4   |
| 3870 | Brotizolam EP Impurity B                 | VS-B115002 | 57801-97-5   |
| 3871 | Bufotenine                               | VS-B116000 | 487-93-4     |
| 3872 | Bufotenine Impurity 1                    | VS-B116001 | 1019-45-0    |
| 3873 | Bufotenine Impurity 2                    | VS-B116002 | 61-50-7      |
| 3874 | Butorphanol                              | VS-B117000 | 42408-82-2   |
| 3875 | Cabazitaxel                              | VS-C001000 | 183133-96-2  |
| 3876 | Cabazitaxel Monohydrate                  | VS-C001001 | 1430721-70-2 |
| 3877 | Cabazitaxel Impurity A                   | VS-C001002 | 183133-94-0  |
| 3878 | Cabazitaxel Impurity B                   | VS-C001003 | 183133-95-1  |
| 3879 | Cabazitaxel (2S,3R)-Isomer               | VS-C001004 | 1714967-27-7 |
| 3880 | Cabazitaxel Dectroc Oxazolidine Impurity | VS-C001005 | 159262-93-8  |
| 3881 | Cabazitaxel Des-t-BOC Impurity           | VS-C001006 | 1638286-64-2 |
| 3882 | Cabazitaxel Oxazolidine Impurity         | VS-C001007 | 1373171-12-0 |
| 3883 | Cabazitaxel Impurity (DiTroc)            | VS-C001008 | 95603-44-4   |

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| 3884 | Cabazitaxel Impurity (DeTroc-oxazolidine)    | VS-C001009 | N/A          |
| 3885 | Cabazitaxel Impurity (Oxazolidine Protected) | VS-C001010 | N/A          |
| 3886 | Anisic Aldehyde                              | VS-C001011 | 123-11-5     |
| 3887 | 7,10-Dimethoxy-10-deacetylbaaccatin          | VS-C001012 | N/A          |
| 3888 | (2R,3S)-N-Boc-3-Phenylisoserine Methyl Ester | VS-C001013 | 124605-42-1  |
| 3889 | N,N'-Dicyclohexylcarbodiimide                | VS-C001014 | 538-75-0     |
| 3890 | Dimethyl Sulfate                             | VS-C001015 | 77-78-1      |
| 3891 | (2'S,3'R)-Cabazitaxel                        | VS-C001016 | N/A          |
| 3892 | Cabazitaxel Impurity (Amine)                 | VS-C001017 | N/A          |
| 3893 | Cabazitaxel Acetone                          | VS-C001018 | 1426815-65-7 |
| 3894 | Tigloyl Cabazitaxel                          | VS-C001019 | N/A          |
| 3895 | N-De-boc-N-formyl Cabazitaxel                | VS-C001020 | N/A          |
| 3896 | Cabazitaxel Impurity 1                       | VS-C001021 | 1584118-06-8 |
| 3897 | Cabazitaxel Impurity 2                       | VS-C001022 | 143527-70-2  |
| 3898 | Cabazitaxel Impurity 3                       | VS-C001023 | N/A          |
| 3899 | Cabazitaxel Impurity 4                       | VS-C001024 | N/A          |
| 3900 | Cabazitaxel Impurity 5                       | VS-C001025 | N/A          |
| 3901 | Cabazitaxel Impurity 6                       | VS-C001026 | N/A          |
| 3902 | Cabazitaxel Impurity 7                       | VS-C001027 | N/A          |
| 3903 | Cabazitaxel Impurity 8                       | VS-C001028 | N/A          |
| 3904 | Cabazitaxel Impurity 9                       | VS-C001029 | N/A          |
| 3905 | Cabazitaxel Impurity 10                      | VS-C001030 | 160535-69-3  |
| 3906 | Cabazitaxel Impurity 11                      | VS-C001031 | 1429289-67-7 |
| 3907 | Cabazitaxel Impurity 12                      | VS-C001032 | 146924-92-7  |
| 3908 | Cabazitaxel Impurity 13                      | VS-C001033 | N/A          |
| 3909 | Cabazitaxel Impurity 14                      | VS-C001034 | N/A          |
| 3910 | Cabazitaxel Impurity 15                      | VS-C001035 | N/A          |
| 3911 | Cabazitaxel Impurity 16                      | VS-C001036 | N/A          |
| 3912 | Cabazitaxel Impurity 17                      | VS-C001037 | N/A          |
| 3913 | Cabazitaxel Impurity 18                      | VS-C001038 | 2180123-01-5 |
| 3914 | Cabazitaxel Impurity 19                      | VS-C001039 | 949459-76-1  |
| 3915 | Cabazitaxel Impurity 20                      | VS-C001040 | 153652-67-6  |
| 3916 | Cabazitaxel Impurity 21                      | VS-C001041 | 1262147-55-6 |
| 3917 | Cabazitaxel Impurity 22                      | VS-C001042 | N/A          |
| 3918 | Cabazitaxel Impurity 24                      | VS-C001043 | 143615-00-3  |
| 3919 | Cabazitaxel Impurity 26                      | VS-C001044 | N/A          |
| 3920 | Cabazitaxel Impurity 27                      | VS-C001045 | 1444818-14-7 |
| 3921 | Cabazitaxel Impurity 28                      | VS-C001046 | N/A          |
| 3922 | Cabazitaxel Impurity 29                      | VS-C001047 | N/A          |
| 3923 | Cabazitaxel Impurity 30                      | VS-C001048 | N/A          |
| 3924 | Cabazitaxel Impurity 31                      | VS-C001049 | 174674-15-8  |
| 3925 | Cabazitaxel Impurity 32                      | VS-C001050 | 949459-78-3  |
| 3926 | Cabazitaxel Impurity 33                      | VS-C001051 | N/A          |
| 3927 | Cabazitaxel Impurity 34                      | VS-C001052 | N/A          |
| 3928 | Cabazitaxel Impurity 35                      | VS-C001053 | 155396-69-3  |
| 3929 | Cabazitaxel Impurity 36                      | VS-C001054 | N/A          |
| 3930 | Cabazitaxel Impurity 37                      | VS-C001055 | 131023-37-5  |

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| 3931 | Cabazitaxel Impurity 38                         | VS-C001056 | 1396601-24-3 |
| 3932 | Cabazitaxel Impurity 45                         | VS-C001057 | 157580-39-7  |
| 3933 | Cabazitaxel DIBOC Impurity                      | VS-C001058 | N/A          |
| 3934 | Cabergoline                                     | VS-C002000 | 81409-90-7   |
| 3935 | Cabergoline EP Impurity A                       | VS-C002001 | 81409-74-7   |
| 3936 | Cabergoline EP Impurity B                       | VS-C002002 | 166533-36-4  |
| 3937 | Cabergoline EP Impurity C                       | VS-C002003 | 126554-50-5  |
| 3938 | Cabergoline EP Impurity D                       | VS-C002004 | 85329-86-8   |
| 3939 | 6-Allyl-8 $\beta$ -carboxyergoline Methyl Ester | VS-C002005 | 72821-79-5   |
| 3940 | Cabergoline Isomer                              | VS-C002006 | 81409-91-8   |
| 3941 | N-Nitroso Desmethyl Cabergoline                 | VS-C002007 | NA           |
| 3942 | Cabozantinib                                    | VS-C003000 | 849217-68-1  |
| 3943 | 4-Fluoroaniline HCl Cabozantinib Impurity       | VS-C003001 | 08-07-46     |
| 3944 | Cabozantinib Quinol Impurity                    | VS-C003002 | 13425-93-9   |
| 3945 | Cabozantinib N-oxide                            | VS-C003003 | 1621681-63-7 |
| 3946 | Cabozantinib Carboxylic Acid                    | VS-C003004 | 849217-77-2  |
| 3947 | Cabozantinib Hydroxy Impurity                   | VS-C003005 | 849217-60-3  |
| 3948 | Cabozantinib Dimer Impurity 1                   | VS-C003006 | N/A          |
| 3949 | Cabozantinib Des Fluoro Impurity                | VS-C003007 | 849221-94-9  |
| 3950 | Cabozantinib Impurity 1                         | VS-C003008 | 190728-25-7  |
| 3951 | Cabozantinib Impurity 2                         | VS-C003009 | 190728-24-6  |
| 3952 | Cabozantinib Impurity 3                         | VS-C003010 | 35654-56-9   |
| 3953 | Cabozantinib Impurity 4                         | VS-C003011 | 6315-89-5    |
| 3954 | Cabozantinib Impurity 5                         | VS-C003012 | 1431468-36-8 |
| 3955 | Cabozantinib Impurity 6                         | VS-C003013 | N/A          |
| 3956 | Cabozantinib 2-fluoro impurity                  | VS-C003014 | N/A          |
| 3957 | Cabozantinib 3-fluoro impurity                  | VS-C003015 | N/A          |
| 3958 | Cabozantinib Acid impurity                      | VS-C003016 | 849217-48-7  |
| 3959 | Cabozantinib Impurity 10                        | VS-C003017 | N/A          |
| 3960 | Cabozantinib Impurity 11                        | VS-C003018 | 1628530-38-0 |
| 3961 | Cabozantinib Impurity 12(Dimer Impurity)        | VS-C003019 | N/A          |
| 3962 | Cabozantinib Fumarate                           | VS-C003020 | N/A          |
| 3963 | Cabozantinib Dimer impurity                     | VS-C003021 | N/A          |
| 3964 | Caffeine                                        | VS-C004000 | 58-08-2      |
| 3965 | Caffeine EP Impurity A                          | VS-C004001 | 58-55-9      |
| 3966 | Caffeine EP Impurity B                          | VS-C004002 | 7597-60-6    |
| 3967 | Caffeine EP Impurity C                          | VS-C004003 | 519-32-4     |
| 3968 | Caffeine EP Impurity D                          | VS-C004004 | 83-67-0      |
| 3969 | Caffeine EP Impurity E                          | VS-C004005 | 20041-90-1   |
| 3970 | Caffeine EP Impurity F                          | VS-C004006 | 611-59-6     |
| 3971 | 1,3,7-Trimethyluric Acid                        | VS-C004007 | 5415-44-1    |
| 3972 | Caffeine Impurity 1                             | VS-C004008 | N/A          |
| 3973 | (+)-Calanolide A                                | VS-C005001 | 142632-32-4  |
| 3974 | Calcifediol Monohydrate                         | VS-C006001 | 63283-36-3   |
| 3975 | Calcifediol EP Impurity A                       | VS-C006002 | 61585-29-3   |
| 3976 | Calcifediol EP Impurity B                       | VS-C006003 | 22145-68-2   |
| 3977 | Calcifediol EP Impurity C                       | VS-C006004 | 39932-44-0   |

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| 3978 | Calcifediol EP Impurity D               | VS-C006005 | N/A          |
| 3979 | Calcifediol Impurity 1                  | VS-C006006 | 23357-18-8   |
| 3980 | Calcipotriol                            | VS-C007000 | 112965-21-6  |
| 3981 | Calcipotriol EP Impurity A              | VS-C007001 | 126860-83-1  |
| 3982 | Calcipotriol EP Impurity B              | VS-C007002 | N/A          |
| 3983 | Calcipotriol EP Impurity C              | VS-C007003 | 113082-99-8  |
| 3984 | Calcipotriol EP Impurity D              | VS-C007004 | 112827-99-3  |
| 3985 | Calcipotriol EP Impurity E              | VS-C007005 | N/A          |
| 3986 | Calcipotriol EP Impurity F              | VS-C007006 | 112875-61-3  |
| 3987 | Calcipotriol EP Impurity G              | VS-C007007 | N/A          |
| 3988 | Calcipotriol EP Impurity H              | VS-C007008 | N/A          |
| 3989 | Calcipotriol EP Impurity I              | VS-C007009 | N/A          |
| 3990 | Pre-Calcipotriol                        | VS-C007010 | 176302-02-6  |
| 3991 | Calcipotriol Beta Isomer                | VS-C007011 | 934338-44-0  |
| 3992 | Calcitriol                              | VS-C008000 | 32222-06-3   |
| 3993 | Calcitriol EP Impurity A                | VS-C008001 | 73837-24-8   |
| 3994 | Calcitriol EP Impurity B                | VS-C008002 | 66791-71-7   |
| 3995 | Calcitriol EP Impurity C                | VS-C008003 | 86307-44-0   |
| 3996 | Methylene Calcitriol                    | VS-C008004 | 1428946-52-4 |
| 3997 | Calcobutrol Sodium                      | VS-C009001 | N/A          |
| 3998 | Camptothecin                            | VS-C010000 | 04-03-89     |
| 3999 | Camptothecin Sodium salt                | VS-C010001 | 72517-83-0   |
| 4000 | Camptothecin Impurity A                 | VS-C010002 | 110351-94-5  |
| 4001 | Camptothecin Impurity B                 | VS-C010003 | 35364-15-9   |
| 4002 | Camptothecin Impurity B Hydrochloride   | VS-C010004 | 1311254-46-2 |
| 4003 | Camptothecin Impurity D                 | VS-C010005 | N/A          |
| 4004 | (R)-Camptothecin                        | VS-C010006 | 110351-92-3  |
| 4005 | (R)-7-Ethyl-10-Hydroxy Camptothecin     | VS-C010007 | 647852-82-2  |
| 4006 | (rac)-7-Ethyl-10-Hydroxy Camptothecin   | VS-C010008 | 130144-34-2  |
| 4007 | (R)-10-Hydroxy Camptothecin             | VS-C010009 | 647852-71-9  |
| 4008 | Exatecan Mesylate                       | VS-C010010 | 169869-90-3  |
| 4009 | (R)-7-Ethyl Camptothecin                | VS-C010011 | 1217633-65-2 |
| 4010 | (S)-9-Methoxy Camptothecin              | VS-C010012 | 39026-92-1   |
| 4011 | Exatecan                                | VS-C010013 | 171335-80-1  |
| 4012 | 11-Ethyl-9-Hydroxycamptothecin          | VS-C010014 | 86639-52-3   |
| 4013 | 7-Ethyl Camptothecin                    | VS-C010015 | 78287-27-1   |
| 4014 | 8,11-Diethyl-9-Hydroxycamptothecin      | VS-C010016 | 947687-01-6  |
| 4015 | 9-Hydroxycamptothecin                   | VS-C010017 | 19685-09-7   |
| 4016 | 9-Hydroxycamptothecin Hydrochloride     | VS-C010018 | 1174930-07-4 |
| 4017 | 9-Hydroxycamptothecin Sodium salt       | VS-C010019 | 77987-01-0   |
| 4018 | 9-Hydroxymethyl-10-hydroxy Camptothecin | VS-C010020 | 175613-38-4  |
| 4019 | Camptothecin Methoxy Impurity           | VS-C010021 | 86639-53-4   |
| 4020 | Camptothecin Impurity 1                 | VS-C010022 | 1346597-39-4 |
| 4021 | Camptothecin Impurity 2                 | VS-C010023 | N/A          |
| 4022 | Camptothecin Impurity 3                 | VS-C010024 | N/A          |
| 4023 | Camptothecin Impurity 4                 | VS-C010025 | 124623-03-6  |
| 4024 | Camptothecin Impurity 5                 | VS-C010026 | N/A          |

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| 4025 | Canagliflozin                         | VS-C011000 | 842133-18-0  |
| 4026 | Canagliflozin Desfluoro Impurity      | VS-C011001 | 842133-16-8  |
| 4027 | Canagliflozin Alpha Isomer            | VS-C011002 | 1589590-87-3 |
| 4028 | (R) Canagliflozin Furanose Impurity   | VS-C011003 | N/A          |
| 4029 | (S) Canagliflozin Furanose Impurity   | VS-C011004 | N/A          |
| 4030 | Canagliflozin Enantiomer Impurity     | VS-C011005 | N/A          |
| 4031 | Canagliflozin In-house Dimer Impurity | VS-C011006 | N/A          |
| 4032 | Canagliflozin Dimer Impurity          | VS-C011007 | 2443735-74-6 |
| 4033 | Canagliflozin Dimer Impurity 1        | VS-C011008 | N/A          |
| 4034 | Canagliflozin Ring Opening Impurity   | VS-C011009 | N/A          |
| 4035 | Tetra acetyl Canagliflozin            | VS-C011010 | 866607-35-4  |
| 4036 | Canagliflozin Tetra Acetyl CNG-II     | VS-C011011 | 1908474-06-5 |
| 4037 | Monoacetyl Canagliflozin              | VS-C011012 | 2146135-87-5 |
| 4038 | Canagliflozin Bromo Impurity          | VS-C011013 | 1030825-20-7 |
| 4039 | Canagliflozin Des-iodo Impurity       | VS-C011014 | 2005454-69-1 |
| 4040 | Canagliflozin UN 1 Impurity           | VS-C011015 | 456-22-4     |
| 4041 | Canagliflozin Peroxide Impurity       | VS-C011016 | 2247196-28-5 |
| 4042 | Canagliflozin Chloro impurity         | VS-C011017 | N/A          |
| 4043 | Canagliflozin Chloromethoxy impurity  | VS-C011018 | N/A          |
| 4044 | 2-(4-Fluorophenyl)thiophene           | VS-C011019 | 58861-48-6   |
| 4045 | Canagliflozin Furanose Impurity       | VS-C011020 | N/A          |
| 4046 | Canagliflozin Keto Impurity           | VS-C011021 | N/A          |
| 4047 | Canagliflozin Hydroxy Impurity-2      | VS-C011022 | N/A          |
| 4048 | Canagliflozin Iodo Impurity           | VS-C011023 | 898566-17-1  |
| 4049 | Canagliflozin 2,3-Dehydroxy Impurity  | VS-C011024 | N/A          |
| 4050 | Canagliflozin Furanose Impurity       | VS-C011025 | N/A          |
| 4051 | Canagliflozin Impurity 1              | VS-C011026 | 1358581-37-9 |
| 4052 | Canagliflozin Impurity 2              | VS-C011027 | 1951467-28-9 |
| 4053 | Canagliflozin Impurity 3              | VS-C011028 | 1951467-29-0 |
| 4054 | Canagliflozin Impurity 4              | VS-C011029 | 1809403-04-0 |
| 4055 | Canagliflozin Impurity 5              | VS-C011030 | N/A          |
| 4056 | Canagliflozin Impurity 6              | VS-C011031 | 2161394-96-1 |
| 4057 | Canagliflozin Impurity 7              | VS-C011032 | N/A          |
| 4058 | Canagliflozin Impurity 8              | VS-C011033 | 2161394-95-0 |
| 4059 | Canagliflozin Impurity 9              | VS-C011034 | 17791-37-6   |
| 4060 | Canagliflozin Impurity 10             | VS-C011035 | 40246-26-2   |
| 4061 | Canagliflozin Impurity 11             | VS-C011036 | 170428-27-0  |
| 4062 | Canagliflozin Impurity 12             | VS-C011037 | 77388-94-4   |
| 4063 | Canagliflozin Impurity 13             | VS-C011038 | 24679-79-6   |
| 4064 | Canagliflozin Impurity 14             | VS-C011039 | N/A          |
| 4065 | Canagliflozin Impurity 15             | VS-C011040 | 23354-94-1   |
| 4066 | Canagliflozin Impurity 16             | VS-C011041 | 1672658-93-3 |
| 4067 | Canagliflozin Impurity 17             | VS-C011042 | 2110533-80-5 |
| 4068 | Canagliflozin Acetyl Impurity         | VS-C011043 | 2211057-34-8 |
| 4069 | Canagliflozin Impurity 18             | VS-C011044 | 1073313-97-9 |
| 4070 | Canagliflozin Impurity 19             | VS-C011045 | N/A          |
| 4071 | Canagliflozin Impurity 20             | VS-C011046 | N/A          |



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| 4072 | Canagliflozin Impurity 21                            | VS-C011047 | N/A          |
| 4073 | Canagliflozin Impurity 22                            | VS-C011048 | 1765-93-1    |
| 4074 | Canagliflozin Impurity 23                            | VS-C011049 | 89-67-8      |
| 4075 | Canagliflozin Dimethoxy Impurity                     | VS-C011050 | 1883604-11-2 |
| 4076 | Candesartan                                          | VS-C012000 | 139481-59-7  |
| 4077 | Candesartan Cilexetil                                | VS-C012001 | 145040-37-5  |
| 4078 | Candesartan Cilexetil EP Impurity A                  | VS-C012002 | 139481-58-6  |
| 4079 | Candesartan Cilexetil EP Impurity B                  | VS-C012003 | 869631-11-8  |
| 4080 | Candesartan Cilexetil EP Impurity C                  | VS-C012004 | 1185255-99-5 |
| 4081 | Candesartan Cilexetil EP Impurity D                  | VS-C012005 | 1185256-03-4 |
| 4082 | Candesartan Cilexetil EP Impurity E                  | VS-C012006 | 914613-35-7  |
| 4083 | Candesartan Cilexetil EP Impurity F                  | VS-C012007 | 914613-36-8  |
| 4084 | Candesartan Cilexetil EP Impurity G                  | VS-C012008 | 139481-59-7  |
| 4085 | Candesartan Cilexetil EP Impurity H                  | VS-C012009 | 170791-09-0  |
| 4086 | Candesartan Cilexetil EP Impurity I                  | VS-C012010 | 139481-69-9  |
| 4087 | Candesartan Acid Methoxy Analog                      | VS-C012011 | 139481-76-8  |
| 4088 | Candesartan Benzimidazole Ethoxy Methyl Ester        | VS-C012012 | 150058-27-8  |
| 4089 | Candesartan Benzimidazole Methoxy Methyl Ester       | VS-C012013 | 1246817-06-0 |
| 4090 | Candesartan Bromo N2-Trityl Impurity                 | VS-C012014 | 133051-88-4  |
| 4091 | Candesartan Cilexetil Desethyl N2-Trityl Analog      | VS-C012015 | 1798004-41-7 |
| 4092 | Candesartan Cilexetil Methoxy Analog                 | VS-C012016 | 1026042-12-5 |
| 4093 | Candesartan Cilexetil N2-Trityl Analog               | VS-C012017 | 886999-34-4  |
| 4094 | Candesartan Cilexetil N2-Trityl Methoxy Analog       | VS-C012018 | 1797867-82-3 |
| 4095 | Candesartan Desethyl Analog                          | VS-C012019 | N/A          |
| 4096 | Candesartan Dibromo N2-Trityl Impurity               | VS-C012020 | 151052-34-5  |
| 4097 | Candesartan Ethyl Ester Desethyl Analog              | VS-C012021 | 1225044-20-1 |
| 4098 | Candesartan Ethyl Ester Desethyl N1-Cilexetil Analog | VS-C012022 | N/A          |
| 4099 | Candesartan Ethyl Ester Desethyl N2-Cilexetil Analog | VS-C012023 | N/A          |
| 4100 | Candesartan Ethyl Ester N1-Cilexetil Analog          | VS-C012024 | 1391054-45-7 |
| 4101 | Candesartan Ethyl Ester N2-Cilexetil Analog          | VS-C012025 | N/A          |
| 4102 | Candesartan Ethyl Ester N2-Trityl Analog             | VS-C012026 | 1797985-81-9 |
| 4103 | Candesartan Ethyl Ester N2-Trityl Methoxy Analog     | VS-C012027 | N/A          |
| 4104 | Candesartan Isopropyl Ester                          | VS-C012028 | N/A          |
| 4105 | Candesartan Methyl Ester Desethyl Analog             | VS-C012029 | 1203674-06-9 |
| 4106 | Candesartan Methyl Ester Methoxy Analog              | VS-C012030 | 139481-75-7  |
| 4107 | Candesartan Methyl Ester N2-Trityl Analog            | VS-C012031 | 1796932-77-8 |
| 4108 | Candesartan Methyl Ester N2-Trityl Methoxy Analog    | VS-C012032 | 1797136-91-4 |
| 4109 | Candesartan N1-Ethyl Impurity                        | VS-C012033 | 1246817-38-8 |
| 4110 | Candesartan N2-Ethyl Impurity                        | VS-C012034 | 1246819-02-2 |
| 4111 | Candesartan N2-Trityl Impurity                       | VS-C012035 | 894806-43-0  |
| 4112 | Candesartan N2-Trityl Methoxy Analog                 | VS-C012036 | 1797918-38-7 |
| 4113 | Candesartan Trityl Alcohol Impurity                  | VS-C012037 | 76-84-6      |
| 4114 | Candesartan Trityl Ester N2-Trityl Analog            | VS-C012038 | 1797113-00-8 |
| 4115 | Candesatan Intermediate                              | VS-C012039 | 139481-44-0  |
| 4116 | Cyclohexyl 1-Chloroethyl Carbonate                   | VS-C012040 | 99464-83-2   |
| 4117 | N-Trityl Candesartan                                 | VS-C012041 | 139481-72-4  |
| 4118 | Candesartan PGI-5 Impurity                           | VS-C012042 | 136285-67-1  |

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| 4119 | Hydroxy Candesartan Cilexetil Impurity          | VS-C012043 | N/A          |
| 4120 | Trityl Hydroxy Candesartan Impurity             | VS-C012044 | N/A          |
| 4121 | O-Desethyl N-Trityl Candesartan Cilexetil       | VS-C012045 | 934495-65-5  |
| 4122 | Candesartan Impurity 1                          | VS-C012046 | 139481-41-7  |
| 4123 | Candesartan Impurity 2                          | VS-C012047 | N/A          |
| 4124 | Candesartan Trityl Chloride                     | VS-C012048 | 76-83-5      |
| 4125 | 2-(thiophen-2-yl)ethyl 4-methylbenzenesulfonate | VS-C012049 | 40412-06-4   |
| 4126 | Cangrelor                                       | VS-C013000 | 163706-06-7  |
| 4127 | Capecitabine                                    | VS-C014000 | 154361-50-9  |
| 4128 | Capecitabine Hydrochloride                      | VS-C014001 | 1370587-15-7 |
| 4129 | Capecitabine EP Impurity A                      | VS-C014002 | 66335-38-4   |
| 4130 | Capecitabine EP Impurity A Hydrochloride        | VS-C014003 | 1373281-84-5 |
| 4131 | Capecitabine EP Impurity A Hydrobromide         | VS-C014004 | 1373281-85-6 |
| 4132 | Capecitabine EP Impurity B                      | VS-C014005 | 05-09-94     |
| 4133 | Capecitabine EP Impurity C                      | VS-C014006 | 161599-46-8  |
| 4134 | Capecitabine EP Impurity C Hydrochloride        | VS-C014007 | 880633-96-5  |
| 4135 | Capecitabine EP Impurity D                      | VS-C014008 | 910129-15-6  |
| 4136 | Capecitabine EP Impurity E                      | VS-C014009 | 162204-30-0  |
| 4137 | Capecitabine EP Impurity F                      | VS-C014010 | 921769-65-5  |
| 4138 | Capecitabine EP Impurity G                      | VS-C014011 | 162204-20-8  |
| 4139 | Capecitabine EP Impurity M                      | VS-C014012 | N/A          |
| 4140 | Capecitabine 2-O-BDR Impurity (USP)             | VS-C014013 | 1262133-66-3 |
| 4141 | Capecitabine 3-O-BDR Impurity (USP)             | VS-C014014 | 1262133-64-1 |
| 4142 | Capecitabine $\alpha$ -Isomer                   | VS-C014015 | N/A          |
| 4143 | Capecitabine $\alpha$ -Isomer Diacetyl Impurity | VS-C014016 | N/A          |
| 4144 | Tetrahydrouridine                               | VS-C014017 | 18771-50-1   |
| 4145 | 3'-(5'-Deoxy-Alfa-D-ribofuranoyl) Capecitabine  | VS-C014018 | 1262133-68-5 |
| 4146 | Capecitabine Isomers                            | VS-C014019 | N/A          |
| 4147 | Capecitabine Impurity 1                         | VS-C014020 | N/A          |
| 4148 | Capecitabine Impurity 2                         | VS-C014021 | N/A          |
| 4149 | Capecitabine Impurity 3 (Defluoro Capecitabine) | VS-C014022 | 216450-02-1  |
| 4150 | Capecitabine Impurity 4                         | VS-C014023 | 1313238-38-8 |
| 4151 | Capecitabine Impurity 5                         | VS-C014024 | N/A          |
| 4152 | Capecitabine Impurity 6                         | VS-C014025 | 296248-49-2  |
| 4153 | Capecitabine Impurity 7                         | VS-C014026 | N/A          |
| 4154 | Capecitabine Impurity 8                         | VS-C014027 | 76497-54-6   |
| 4155 | Capecitabine Impurity 9                         | VS-C014028 | 279673-09-5  |
| 4156 | Capsaicin                                       | VS-C015000 | 404-86-4     |
| 4157 | Dihydrocapsaicin                                | VS-C015001 | 19408-84-5   |
| 4158 | Cis Capsaicin                                   | VS-C015002 | 25775-90-0   |
| 4159 | Valillylamine HCl                               | VS-C015003 | 02-10-49     |
| 4160 | Captopril                                       | VS-C016000 | 62571-86-2   |
| 4161 | Captopril EP Impurity A                         | VS-C016001 | 64806-05-9   |
| 4162 | Captopril EP Impurity B                         | VS-C016002 | 80629-35-2   |
| 4163 | Captopril EP Impurity C                         | VS-C016003 | 26473-47-2   |
| 4164 | Captopril EP Impurity D                         | VS-C016004 | 56970-78-6   |
| 4165 | Captopril EP Impurity E                         | VS-C016005 | 23500-15-4   |

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| 4166 | Captopril EP Impurity F                                  | VS-C016006 | 63250-36-2   |
| 4167 | Captopril EP Impurity G                                  | VS-C016007 | 33325-40-5   |
| 4168 | Captopril EP Impurity H                                  | VS-C016008 | 205521-07-9  |
| 4169 | Captopril EP Impurity I                                  | VS-C016009 | N/A          |
| 4170 | Captopril EP Impurity J                                  | VS-C016010 | 64838-55-7   |
| 4171 | Captopril EP Impurity L                                  | VS-C016011 | N/A          |
| 4172 | Captopril EP Impurity M                                  | VS-C016012 | N/A          |
| 4173 | Captopril EP Impurity N                                  | VS-C016013 | 65134-74-9   |
| 4174 | Captopril EP Impurity O                                  | VS-C016014 | N/A          |
| 4175 | Captopril Methyl Ester                                   | VS-C016015 | 176036-41-2  |
| 4176 | Captopril Ethyl Ester                                    | VS-C016016 | 86938-12-7   |
| 4177 | D-Captopril                                              | VS-C016017 | 119238-52-7  |
| 4178 | Captopril Related Compound 1                             | VS-C016018 | N/A          |
| 4179 | Captopril Related Compound 2                             | VS-C016019 | N/A          |
| 4180 | Captopril Related Compound 3                             | VS-C016020 | 185804-96-0  |
| 4181 | Captopril Related Compound 4                             | VS-C016021 | 74345-73-6   |
| 4182 | Captopril Related Compound 5                             | VS-C016022 | 69570-39-4   |
| 4183 | Captopril Related Compound 6                             | VS-C016023 | 65167-28-4   |
| 4184 | Captopril Related Compound 7                             | VS-C016024 | 112243-88-6  |
| 4185 | Captopril Related Compound 8                             | VS-C016025 | 76497-39-7   |
| 4186 | Carbamazepine                                            | VS-C017000 | 298-46-4     |
| 4187 | Carbamazepine EP Impurity A                              | VS-C017001 | 3564-73-6    |
| 4188 | Carbamazepine EP Impurity B                              | VS-C017002 | 611-64-3     |
| 4189 | Carbamazepine EP Impurity C                              | VS-C017003 | 1219170-51-0 |
| 4190 | Carbamazepine EP Impurity D                              | VS-C017004 | 256-96-2     |
| 4191 | Carbamazepine EP Impurity E                              | VS-C017005 | 494-19-9     |
| 4192 | Carbamazepine EP Impurity F                              | VS-C017006 | 33948-22-0   |
| 4193 | Carbamazepine EP Impurity G                              | VS-C017007 | 59690-97-0   |
| 4194 | Acridine                                                 | VS-C017008 | 260-94-6     |
| 4195 | Methyl Carbamate Carbamazepine                           | VS-C017009 | 105926-34-9  |
| 4196 | Carbamazepine Dinitro Impurity                           | VS-C017010 | 16968-19-7   |
| 4197 | Carbamazepine Diamino Impurity                           | VS-C017011 | 34124-14-6   |
| 4198 | Iminodibenzyl 5-Carbonyl Chloride                        | VS-C017012 | 33948-19-5   |
| 4199 | 10,11-Dihydro-10-hydroxy Carbamazepine                   | VS-C017013 | 29331-92-8   |
| 4200 | 10,11-Dihydro-10-hydroxy Carbamazepine O-β-D-Glucuronide | VS-C017014 | 144407-84-1  |
| 4201 | Carbamazepine Ethyl Ester                                | VS-C017015 | 41216-98-2   |
| 4202 | Acridine-9-carbaldehyde                                  | VS-C017016 | 885-23-4     |
| 4203 | Carbamazepine Impurity 1                                 | VS-C017017 | 1809883-69-9 |
| 4204 | Carbamazepine Impurity 2                                 | VS-C017018 | 4014-77-1    |
| 4205 | Carbamazepine Impurity 3                                 | VS-C017019 | 186694-12-2  |
| 4206 | Carbamazepine Impurity 4                                 | VS-C017020 | 952740-00-0  |
| 4207 | Carbamazepine Impurity 6                                 | VS-C017021 | 40421-03-2   |
| 4208 | Carbamazepine Impurity 7                                 | VS-C017022 | 28721-07-5   |
| 4209 | Carbamazepine Impurity 5                                 | VS-C017023 | 4904-83-0    |
| 4210 | Carbamazepine Impurity 8                                 | VS-C017024 | 28291-63-6   |
| 4211 | Carbamazepine Impurity 9                                 | VS-C017025 | 104746-04-5  |
| 4212 | Carbamazepine Impurity 10                                | VS-C017026 | 2642430-30-4 |

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| 4213 | Carbamazepine Impurity 11                          | VS-C017027 | 869377-50-4  |
| 4214 | Carbamazepine Impurity 12                          | VS-C017028 | 81861-15-6   |
| 4215 | Carbidopa                                          | VS-C018000 | 28860-95-9   |
| 4216 | 3-Bromo Carbidopa                                  | VS-C018001 | 1246819-09-9 |
| 4217 | Carbidopa Methyl Ester                             | VS-C018002 | 91431-01-5   |
| 4218 | Carbidopa Ethyl Ester HCl                          | VS-C018003 | 96115-88-7   |
| 4219 | Carbidopa BP Impurity A                            | VS-C018004 | 555-30-6     |
| 4220 | Carbidopa BP/EP Impurity B                         | VS-C018005 | 18181-08-3   |
| 4221 | Carbidopa BP Impurity C                            | VS-C018006 | 84488-77-7   |
| 4222 | Carbidopa BP Impurity D                            | VS-C018007 | 934371-48-9  |
| 4223 | Carbidopa BP/EP Impurity E                         | VS-C018008 | 52514-63-3   |
| 4224 | Carbidopa BP/EP Impurity F                         | VS-C018009 | 1458640-32-8 |
| 4225 | Carbidopa BP/EP Impurity G                         | VS-C018010 | 2503-44-8    |
| 4226 | Carbidopa BP/EP Impurity H                         | VS-C018011 | 1361017-74-4 |
| 4227 | Carbidopa BP Impurity I                            | VS-C018012 | N/A          |
| 4228 | Carbidopa BP/EP Impurity J                         | VS-C018013 | 43197-33-7   |
| 4229 | (R)-Carbidopa                                      | VS-C018014 | 28875-92-5   |
| 4230 | 3-O-Methyl Carbidopa                               | VS-C018015 | 85933-19-3   |
| 4231 | Carbidopa Impurity 1                               | VS-C018016 | 53832-94-3   |
| 4232 | Carbidopa Impurity 2                               | VS-C018017 | N/A          |
| 4233 | Carbinoxamine Maleate                              | VS-C019001 | 3505-38-2    |
| 4234 | Carbinoxamine N-Oxide                              | VS-C019002 | 1256285-70-7 |
| 4235 | Carbinoxamine Impurity A                           | VS-C019003 | 27652-89-7   |
| 4236 | Carbinoxamine Impurity B                           | VS-C019004 | 14159-57-0   |
| 4237 | Carbinoxamine USP Related Compound C               | VS-C019005 | 1221-70-1    |
| 4238 | Carbocisteine                                      | VS-C020000 | 638-23-3     |
| 4239 | Carbocisteine Lactam (Sodium Salt)                 | VS-C020001 | 88933-48-6   |
| 4240 | Carbocisteine Sulfoxide (Mixture of diastereomers) | VS-C020002 | 5439-87-2    |
| 4241 | Carbocisteine Lactam                               | VS-C020003 | 62305-89-9   |
| 4242 | Rac-Carbocisteine Impurity                         | VS-C020004 | NA           |
| 4243 | Carboplatin                                        | VS-C021000 | 41575-94-4   |
| 4244 | Carboplatin EP Impurity A                          | VS-C021001 | 15663-27-1   |
| 4245 | Carboplatin EP Impurity B                          | VS-C021002 | 5445-51-2    |
| 4246 | Carboplatin Hydrate                                | VS-C021003 | N/A          |
| 4247 | Dihydroxy Carboplatin                              | VS-C021004 | N/A          |
| 4248 | Platinum Dioxide Carboplatin                       | VS-C021005 | N/A          |
| 4249 | Diethyl 1,1-Cyclobutanedicarboxylate               | VS-C021006 | 3779-29-1    |
| 4250 | Methyl 3,3-difluorocyclobutanecarboxylate          | VS-C021007 | 1234616-13-7 |
| 4251 | Carboplatin Impurity 1                             | VS-C021008 | N/A          |
| 4252 | Carboplatin Impurity 3                             | VS-C021009 | 113287-15-3  |
| 4253 | Carboplatin Impurity 4                             | VS-C021010 | N/A          |
| 4254 | Carboplatin Impurity 5                             | VS-C021011 | N/A          |
| 4255 | Carboplatin Impurity 6                             | VS-C021012 | N/A          |
| 4256 | Carboplatin Impurity 7                             | VS-C021013 | N/A          |
| 4257 | Carboplatin Impurity 8                             | VS-C021014 | 63700-88-9   |
| 4258 | Carboplatin Impurity 9                             | VS-C021015 | N/A          |
| 4259 | Carboplatin Impurity 10                            | VS-C021016 | N/A          |

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| 4260 | Carboplatin Impurity 11                   | VS-C021017 | N/A          |
| 4261 | Carboplatin Impurity 12                   | VS-C021018 | N/A          |
| 4262 | Carboplatin Impurity 13                   | VS-C021019 | 695-95-4     |
| 4263 | Carboplatin Impurity 14                   | VS-C021020 | 1978330-54-9 |
| 4264 | Carboplatin Impurity 15                   | VS-C021021 | 157176-10-8  |
| 4265 | Carboplatin Impurity 16                   | VS-C021022 | 3721-95-7    |
| 4266 | Carboplatin Impurity 17                   | VS-C021023 | N/A          |
| 4267 | Carboprost Tromethamine                   | VS-C022000 | 58551-69-2   |
| 4268 | Carboprost Tromethamine Impurity 1        | VS-C022001 | N/A          |
| 4269 | Trans-Carboprost                          | VS-C022002 | 76498-29-8   |
| 4270 | Carboprost                                | VS-C022003 | 35700-23-3   |
| 4271 | 15-Epicarboprost                          | VS-C022004 | 35864-81-4   |
| 4272 | Carbovir                                  | VS-C023000 | 120443-30-3  |
| 4273 | Carebazine                                | VS-C024000 | 90729-42-3   |
| 4274 | Carfilzomib                               | VS-C025000 | 868540-17-4  |
| 4275 | Carfilzomib Related Impurity              | VS-C025001 | 168154-76-5  |
| 4276 | Peptide Epoxide Carfilzomib               | VS-C025002 | N/A          |
| 4277 | Carfilzomib Dimer Impurity 1              | VS-C025003 | N/A          |
| 4278 | Carfilzomib Dimer Impurity 2              | VS-C025004 | N/A          |
| 4279 | Carfilzomib Methoxide                     | VS-C025005 | 1140908-89-9 |
| 4280 | Carfilzomib Impurity B                    | VS-C025006 | N/A          |
| 4281 | Carfilzomib (2S,4R)-Diol                  | VS-C025007 | N/A          |
| 4282 | Carfilzomib (2S,4R)-1,2-Hydroxy-O-acetate | VS-C025008 | N/A          |
| 4283 | Carfilzomib (R)-Enantiomer                | VS-C025009 | N/A          |
| 4284 | Carfilzomib 2-Acetate                     | VS-C025010 | N/A          |
| 4285 | Carfilzomib (2R,4S)-2-Hydroxy Acetate     | VS-C025011 | 1541171-69-0 |
| 4286 | 4-((4S,7S,10S,13R)-Carfilzomib 4-Oxide    | VS-C025012 | N/A          |
| 4287 | 7(R)-epi Carfilzomib (2S,4S)-Diol         | VS-C025013 | N/A          |
| 4288 | 7(R)-epi Carfilzomib (2R,4S)-diol         | VS-C025014 | N/A          |
| 4289 | 7(R)-epi Carfilzomib (2R,4R)-Diol         | VS-C025015 | N/A          |
| 4290 | 4-Morpholineacetic Acid Hydrochloride     | VS-C025016 | 89531-58-8   |
| 4291 | Carfilzomib Impurity 1 (RSSSS)            | VS-C025017 | N/A          |
| 4292 | Carfilzomib Impurity 2 (RSSSS)            | VS-C025018 | 1541172-75-1 |
| 4293 | Carfilzomib Impurity 3 (SSRSR)            | VS-C025019 | N/A          |
| 4294 | Carfilzomib Impurity 4 (RSSSS)            | VS-C025020 | 1672698-96-2 |
| 4295 | Carfilzomib Impurity 5 (RSSSS)            | VS-C025021 | 254888-44-3  |
| 4296 | Carfilzomib Impurity 6 (SSSSS)            | VS-C025022 | 1672698-88-2 |
| 4297 | Carfilzomib Impurity 7 (RRSSS)            | VS-C025023 | 2049025-76-3 |
| 4298 | Carfilzomib Impurity 8 (SSSS)             | VS-C025024 | 1660143-42-9 |
| 4299 | Carfilzomib Impurity 9 (RSSSS)            | VS-C025025 | 868540-22-1  |
| 4300 | Carfilzomib Impurity 10 (RSSSR)           | VS-C025026 | 2049025-59-2 |
| 4301 | Carfilzomib Impurity 11 (SRRRR)           | VS-C025027 | N/A          |
| 4302 | Carfilzomib Impurity 12 (SRSSS)           | VS-C025028 | 2049025-67-2 |
| 4303 | Carfilzomib Impurity 13                   | VS-C025029 | 1396006-45-3 |
| 4304 | Carfilzomib Impurity 14 (SS)              | VS-C025030 | 1396006-47-5 |
| 4305 | Carfilzomib Impurity 16 (SSSSS)           | VS-C025031 | N/A          |
| 4306 | Carfilzomib Impurity 17 (SS)              | VS-C025032 | 247068-83-3  |

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| 4307 | Carfilzomib Impurity 18         | VS-C025033 | N/A          |
| 4308 | Carfilzomib Impurity 19 (SS)    | VS-C025034 | N/A          |
| 4309 | Carfilzomib Impurity 20 (SSRSS) | VS-C025035 | N/A          |
| 4310 | Carfilzomib Impurity 21         | VS-C025036 | N/A          |
| 4311 | Carfilzomib Impurity 22         | VS-C025037 | 1960444-12-5 |
| 4312 | Carfilzomib Impurity 23         | VS-C025038 | 247068-82-2  |
| 4313 | Carfilzomib Impurity 24         | VS-C025039 | 247068-85-5  |
| 4314 | Carfilzomib Impurity 26         | VS-C025040 | 1960444-14-7 |
| 4315 | Carfilzomib Impurity 27         | VS-C025041 | N/A          |
| 4316 | Carfilzomib Impurity 28         | VS-C025042 | 2049025-49-0 |
| 4317 | Carfilzomib Impurity 29         | VS-C025043 | N/A          |
| 4318 | Carfilzomib Impurity 30         | VS-C025044 | N/A          |
| 4319 | Carfilzomib Impurity 31         | VS-C025045 | N/A          |
| 4320 | Carfilzomib Impurity 32         | VS-C025046 | 868540-16-3  |
| 4321 | Carfilzomib Impurity 33         | VS-C025047 | N/A          |
| 4322 | Carfilzomib Impurity 34         | VS-C025048 | 1800500-63-3 |
| 4323 | Carfilzomib Impurity 35         | VS-C025049 | 1619233-32-7 |
| 4324 | Carfilzomib Impurity 36         | VS-C025050 | 1528769-14-3 |
| 4325 | Carfilzomib Impurity 37         | VS-C025051 | N/A          |
| 4326 | Carfilzomib Impurity 38         | VS-C025052 | N/A          |
| 4327 | Carfilzomib Impurity 39         | VS-C025053 | 2049024-22-6 |
| 4328 | Carfilzomib Impurity 40         | VS-C025054 | 2177287-70-4 |
| 4329 | Carfilzomib Impurity 41         | VS-C025055 | 247068-81-1  |
| 4330 | Carfilzomib Impurity 42         | VS-C025056 | 2177287-68-0 |
| 4331 | Carfilzomib Impurity 43         | VS-C025057 | N/A          |
| 4332 | Carfilzomib Impurity 44         | VS-C025058 | N/A          |
| 4333 | Carfilzomib Impurity 45         | VS-C025059 | N/A          |
| 4334 | Carfilzomib Impurity 46         | VS-C025060 | N/A          |
| 4335 | Carfilzomib Impurity 47         | VS-C025061 | 72080-89-8   |
| 4336 | Carfilzomib Impurity 48         | VS-C025062 | N/A          |
| 4337 | Carfilzomib Impurity 49         | VS-C025063 | 1609959-45-6 |
| 4338 | Carfilzomib Impurity 50         | VS-C025064 | 129603-01-6  |
| 4339 | Carfilzomib Impurity 51         | VS-C025065 | N/A          |
| 4340 | Carfilzomib Impurity 52         | VS-C025066 | 1541171-67-8 |
| 4341 | Carfilzomib Impurity 53         | VS-C025067 | 2049025-45-6 |
| 4342 | Carfilzomib Impurity 54         | VS-C025068 | N/A          |
| 4343 | Carfilzomib Impurity 55         | VS-C025069 | N/A          |
| 4344 | Carfilzomib Impurity 56         | VS-C025070 | 2049024-37-3 |
| 4345 | Carfilzomib Impurity 57         | VS-C025071 | 143415-51-4  |
| 4346 | Carfilzomib Impurity 58         | VS-C025072 | 247068-84-4  |
| 4347 | Carfilzomib Impurity 59         | VS-C025073 | 2381627-87-6 |
| 4348 | Carfilzomib Impurity 60         | VS-C025074 | 875309-82-3  |
| 4349 | Carfilzomib Impurity 61         | VS-C025075 | 1545468-80-1 |
| 4350 | Carfilzomib Impurity 62         | VS-C025076 | 875309-92-5  |
| 4351 | Carfilzomib Impurity 63         | VS-C025077 | 2049024-77-1 |
| 4352 | Carfilzomib Impurity 64         | VS-C025078 | 82732-07-8   |
| 4353 | Carfilzomib Impurity 65         | VS-C025079 | 2049024-27-1 |

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| 4354 | Carfilzomib Impurity 66             | VS-C025080 | 70637-26-2   |
| 4355 | Carfilzomib Impurity 67             | VS-C025081 | 70637-27-3   |
| 4356 | Carfilzomib Impurity 68             | VS-C025082 | 1809093-03-5 |
| 4357 | Carfilzomib Impurity 69             | VS-C025083 | 254888-42-1  |
| 4358 | Carfilzomib Impurity 70             | VS-C025084 | 1541171-68-9 |
| 4359 | Carfilzomib Impurity 71             | VS-C025085 | 868539-98-4  |
| 4360 | Carfilzomib Impurity 72             | VS-C025086 | 868539-96-2  |
| 4361 | Carfilzomib Impurity 73             | VS-C025087 | 1541171-65-6 |
| 4362 | Carfilzomib Impurity 74             | VS-C025088 | N/A          |
| 4363 | Carfilzomib Impurity 75             | VS-C025089 | N/A          |
| 4364 | Carfilzomib Impurity 76             | VS-C025090 | N/A          |
| 4365 | Carfilzomib Impurity 77             | VS-C025091 | N/A          |
| 4366 | Carfilzomib Impurity 78             | VS-C025092 | 100564-78-1  |
| 4367 | Carfilzomib Impurity 79             | VS-C025093 | N/A          |
| 4368 | Carfilzomib Impurity 80             | VS-C025094 | N/A          |
| 4369 | Carglumic Acid                      | VS-C026000 | 1188-38-1    |
| 4370 | Carglumic Acid Related Compound A   | VS-C026001 | 17027-50-8   |
| 4371 | Carglumic Acid Related Compound B   | VS-C026002 | 2380660-24-0 |
| 4372 | Carglumic Acid Impurity C           | VS-C026003 | 1009553-88-1 |
| 4373 | Dicarbamoyl-L-Glutamic Acid         | VS-C026004 | N/A          |
| 4374 | Carglumic Acid Impurity 1           | VS-C026005 | N/A          |
| 4375 | Carglumic Acid Impurity 2           | VS-C026006 | N/A          |
| 4376 | Cariprazine                         | VS-C027000 | 839712-12-8  |
| 4377 | Cariprazine HCl                     | VS-C027001 | 1083076-69-0 |
| 4378 | N-Desmethyl Cariprazine             | VS-C027002 | 839712-15-1  |
| 4379 | N-Didesmethyl Cariprazine           | VS-C027003 | 839712-25-3  |
| 4380 | Hydroxy Cariprazine                 | VS-C027004 | 1084891-95-1 |
| 4381 | Desmethyl Hydroxy Cariprazine       | VS-C027005 | 1084891-94-0 |
| 4382 | Didesmethyl Hydroxy Cariprazine     | VS-C027006 | 1084891-93-9 |
| 4383 | Cariprazine N-Oxide                 | VS-C027007 | N/A          |
| 4384 | Dichlorophenyl-Piperazin Carbamate  | VS-C027008 | N/A          |
| 4385 | Desmethyl Cariprazine               | VS-C027009 | N/A          |
| 4386 | Didesmethyl Cariprazine             | VS-C027010 | N/A          |
| 4387 | 1-(2,4-dichlorophenyl) piperazine   | VS-C027011 | 1013-78-1    |
| 4388 | 1-(3,5-Dichlorophenyl) piperazine   | VS-C027012 | 55827-50-4   |
| 4389 | Cariprazine Methylurethane Analogue | VS-C027013 | 1231947-89-9 |
| 4390 | Cariprazine Cis Isomer              | VS-C027014 | 1480744-38-4 |
| 4391 | Cariprazine Impurity 1              | VS-C027015 | 791778-53-5  |
| 4392 | Cariprazine Urea Impurity 2         | VS-C027016 | N/A          |
| 4393 | Cariprazine Impurity 3              | VS-C027017 | 1231947-90-2 |
| 4394 | Cariprazine Impurity 4              | VS-C027018 | 1698050-46-2 |
| 4395 | Cariprazine Impurity 5              | VS-C027019 | N/A          |
| 4396 | Cariprazine Impurity 6              | VS-C027020 | N/A          |
| 4397 | Cariprazine Impurity 7              | VS-C027021 | 119532-26-2  |
| 4398 | Cariprazine Impurity 8              | VS-C027022 | N/A          |
| 4399 | Cariprazine Impurity 9              | VS-C027023 | N/A          |
| 4400 | Cariprazine Acetyl Impurity         | VS-C027024 | N/A          |

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| 4401 | Cariprazine Impurity 10                      | VS-C027025 | 2327471-74-7 |
| 4402 | Cariprazine N-Oxide                          | VS-C027026 | 1084891-96-2 |
| 4403 | Carisoprodol                                 | VS-C028000 | 78-44-4      |
| 4404 | Carisoprodol EP Impurity A                   | VS-C028001 | 25462-17-3   |
| 4405 | Carisoprodol EP Impurity B                   | VS-C028002 | 7148-50-7    |
| 4406 | Carisoprodol EP Impurity C                   | VS-C028003 | 78-26-2      |
| 4407 | Carisoprodol EP Impurity D                   | VS-C028004 | 57-53-4      |
| 4408 | Carisoprodol Isopropyl Impurity              | VS-C028005 | 1729-14-2    |
| 4409 | Carisoprodol USP Related Compound A          | VS-C028006 | 1471-56-3    |
| 4410 | Hydroxy Carisoprodol                         | VS-C028007 | 3424-34-8    |
| 4411 | Dehydro Carisoprodol                         | VS-C028008 | N/A          |
| 4412 | Carisoprodol Impurity 1                      | VS-C028009 | 20667-05-4   |
| 4413 | Carisoprodol Impurity 2                      | VS-C028010 | 1797946-61-2 |
| 4414 | Carisoprodol Impurity 3                      | VS-C028011 | N/A          |
| 4415 | Carisoprodol Impurity 4                      | VS-C028012 | N/A          |
| 4416 | Carisoprodol Impurity 5                      | VS-C028013 | N/A          |
| 4417 | Carisoprodol Impurity 6                      | VS-C028014 | N/A          |
| 4418 | Carisoprodol Impurity 7                      | VS-C028015 | N/A          |
| 4419 | Carmustine                                   | VS-C029000 | 154-93-8     |
| 4420 | Carmustine EP Impurity A                     | VS-C029001 | 2214-72-4    |
| 4421 | Carmustine EP Impurity B                     | VS-C029002 | 689-98-5     |
| 4422 | Carprofen                                    | VS-C030000 | 53716-49-7   |
| 4423 | Carprofen EP Impurity A                      | VS-C030001 | 252288-17-8  |
| 4424 | Carprofen EP Impurity B                      | VS-C030002 | 52263-68-0   |
| 4425 | Carprofen EP Impurity C                      | VS-C030003 | 92841-21-9   |
| 4426 | Carprofen EP Impurity D                      | VS-C030004 | 92841-22-0   |
| 4427 | Carprofen EP Impurity E                      | VS-C030005 | 2732-25-4    |
| 4428 | Carprofen EP Impurity F                      | VS-C030006 | 71208-55-4   |
| 4429 | Carprofen EP Impurity G                      | VS-C030007 | 52262-89-2   |
| 4430 | Carprofen EP Impurity H                      | VS-C030008 | 92841-23-1   |
| 4431 | Carprofen Impurity 1                         | VS-C030009 | 1808312-15-3 |
| 4432 | Carvedilol                                   | VS-C031000 | 72956-09-3   |
| 4433 | Carvedilol Phosphate                         | VS-C031001 | 610309-89-2  |
| 4434 | Carvedilol EP Impurity A                     | VS-C031002 | 1198090-73-1 |
| 4435 | Carvedilol EP Impurity B                     | VS-C031003 | 918903-20-5  |
| 4436 | Carvedilol EP Impurity C                     | VS-C031004 | 72955-94-3   |
| 4437 | Carvedilol EP Impurity D                     | VS-C031005 | 1391052-16-6 |
| 4438 | Carvedilol Related Compound D                | VS-C031006 | 51997-51-4   |
| 4439 | Carvedilol USP Related Compound E            | VS-C031007 | 1836-62-0    |
| 4440 | Carvedilol Related Compound F                | VS-C031008 | 1246820-73-4 |
| 4441 | Carvedilol O-Desmethyl Impurity              | VS-C031009 | 72956-44-6   |
| 4442 | Carvedilol O-Desmethyl O-Alkyl Impurity      | VS-C031010 | N/A          |
| 4443 | Carvedilol O-Desmethyl O-Aminoethyl Impurity | VS-C031011 | 1391052-10-0 |
| 4444 | Carvedilol O-Desmethyl O-Benzyl Impurity     | VS-C031012 | 72955-92-1   |
| 4445 | Carvedilol p-Benzoyloxy Impurity             | VS-C031013 | 887352-95-6  |
| 4446 | Carvedilol Propanediol Impurity              | VS-C031014 | 123119-89-1  |
| 4447 | Carvedilol 4-Hydroxy Metabolite              | VS-C031015 | 142227-49-4  |



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| 4448 | Carvedilol 4-Hydroxycarbazole Impurity   | VS-C031016 | 52602-39-8   |
| 4449 | Carvedilol Biscarbazole Impurity         | VS-C031017 | 1276477-91-8 |
| 4450 | Carvedilol Carbazole Impurity            | VS-C031018 | 86-74-8      |
| 4451 | Carvedilol (R)-Isomer                    | VS-C031019 | 95093-99-5   |
| 4452 | Carvedilol (S)-Isomer                    | VS-C031020 | 95094-00-1   |
| 4453 | N-formyl Carvedilol                      | VS-C031021 | N/A          |
| 4454 | Carvedilol Bisalkylpyrocatechol Impurity | VS-C031022 | 1346602-98-9 |
| 4455 | 5'-Hydroxyphenyl Carvedilol              | VS-C031023 | 142227-51-8  |
| 4456 | Carvedilol $\beta$ -D-Glucuronide        | VS-C031024 | 114869-83-9  |
| 4457 | N-Isopropyl Carvedilol                   | VS-C031025 | 1246819-01-1 |
| 4458 | 1-Hydroxy Carvedilol                     | VS-C031026 | 146574-41-6  |
| 4459 | 8-Hydroxy Carvedilol                     | VS-C031027 | 159426-95-6  |
| 4460 | Carvedilol Impurity 1                    | VS-C031028 | 2057412-43-6 |
| 4461 | Carvedilol Impurity 2                    | VS-C031029 | 2248746-67-8 |
| 4462 | Carvedilol Impurity 3                    | VS-C031030 | N/A          |
| 4463 | Carvedilol Impurity 4                    | VS-C031031 | 72955-96-5   |
| 4464 | Carvedilol Impurity 5                    | VS-C031032 | 27165-64-6   |
| 4465 | Carvedilol EP Impurity E                 | VS-C031033 | 64464-07-9   |
| 4466 | Carvedilol Impurity 6                    | VS-C031034 | 141353-76-6  |
| 4467 | Carvedilol Impurity 7                    | VS-C031035 | N/A          |
| 4468 | Carvedilol Impurity 8                    | VS-C031036 | 53815-60-4   |
| 4469 | Carvedilol Impurity 9                    | VS-C031037 | 27385-45-1   |
| 4470 | Carvedilol Impurity 10                   | VS-C031038 | 293738-17-7  |
| 4471 | Carvedilol Impurity 11                   | VS-C031039 | 504-02-9     |
| 4472 | Carvedilol Impurity 12                   | VS-C031040 | 15128-52-6   |
| 4473 | Carvedilol Impurity 13                   | VS-C031041 | 1198090-71-9 |
| 4474 | Carvedilol Impurity 14                   | VS-C031042 | 10587-65-2   |
| 4475 | Carvedilol Impurity 15                   | VS-C031043 | 1187921-93-2 |
| 4476 | Carvedilol Impurity 16                   | VS-C031044 | 72956-35-5   |
| 4477 | Carvedilol Impurity 17                   | VS-C031045 | 933442-47-8  |
| 4478 | Carvedilol Nitroso Impurity              | VS-C031046 | N/A          |
| 4479 | Caspofungin Diacetate                    | VS-C032001 | 179463-17-3  |
| 4480 | Caspofungin Impurity A                   | VS-C032002 | 1202167-57-4 |
| 4481 | Caspofungin Impurity B                   | VS-C032003 | N/A          |
| 4482 | Caspofungin Impurity C                   | VS-C032004 | 251095-73-5  |
| 4483 | Caspofungin Impurity D                   | VS-C032005 | 314080-31-4  |
| 4484 | Caspofungin Impurity E                   | VS-C032006 | 150283-04-8  |
| 4485 | Caspofungin Impurity F                   | VS-C032007 | N/A          |
| 4486 | Caspofungin Hydroxylamine Impurity       | VS-C032008 | 1671884-42-6 |
| 4487 | Caspofungin Dimer 1                      | VS-C032009 | N/A          |
| 4488 | Caspofungin Dimer 2                      | VS-C032010 | N/A          |
| 4489 | Caspofungin III                          | VS-C032011 | N/A          |
| 4490 | Caspofungin Impurity 1                   | VS-C032012 | N/A          |
| 4491 | Caspofungin Impurity 2                   | VS-C032013 | N/A          |
| 4492 | Caspofungin Impurity 3                   | VS-C032014 | N/A          |
| 4493 | Caspofungin Impurity 4                   | VS-C032015 | N/A          |
| 4494 | Caspofungin Impurity 5                   | VS-C032016 | N/A          |

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| 4495 | Caspofungin Impurity 6                  | VS-C032017 | N/A          |
| 4496 | Caspofungin Impurity 7                  | VS-C032018 | N/A          |
| 4497 | Cefacetrole                             | VS-C033000 | 10206-21-0   |
| 4498 | Cefaclor                                | VS-C034000 | 53994-73-3   |
| 4499 | Cefaclor Hydrate                        | VS-C034001 | 70356-03-5   |
| 4500 | Cefaclor EP Impurity A                  | VS-C034002 | 875-74-1     |
| 4501 | Cefaclor EP Impurity B                  | VS-C034003 | 53994-69-7   |
| 4502 | Cefaclor EP Impurity C                  | VS-C034004 | 143059-69-2  |
| 4503 | Cefaclor EP Impurity D                  | VS-C034005 | 152575-13-8  |
| 4504 | Cefaclor EP Impurity E                  | VS-C034006 | 188915-50-6  |
| 4505 | Cefaclor EP Impurity F                  | VS-C034007 | 2882-18-0    |
| 4506 | Cefaclor EP Impurity G                  | VS-C034008 | 67308-21-8   |
| 4507 | Cefaclor EP Impurity H                  | VS-C034009 | N/A          |
| 4508 | Cefaclor EP Impurity A Sodium salt      | VS-C034010 | 56337-83-8   |
| 4509 | Cefaclor EP Impurity A Potassium salt   | VS-C034011 | 37661-32-8   |
| 4510 | Cefaclor EP Impurity A Hydrochloride    | VS-C034012 | 25705-52-6   |
| 4511 | Cefaclor EP Impurity A Sulfate salt     | VS-C034013 | 91224-38-3   |
| 4512 | Cefaclor EP Impurity B HCl              | VS-C034014 | 88104-70-5   |
| 4513 | Cefaclor EP Impurity G Sodium salt      | VS-C034015 | 37050-97-8   |
| 4514 | Benzyl Amine Analog cefaclor            | VS-C034016 | N/A          |
| 4515 | Cefaclor Dimer                          | VS-C034017 | N/A          |
| 4516 | Cefaclor Impurity 1                     | VS-C034018 | N/A          |
| 4517 | Cefaclor Impurity 2                     | VS-C034019 | N/A          |
| 4518 | Cefaclor Impurity 3                     | VS-C034020 | N/A          |
| 4519 | Cefaclor Impurity 4                     | VS-C034021 | N/A          |
| 4520 | Cabotegravir Sodium                     | VS-C035001 | 1051375-13-3 |
| 4521 | Cabergoline N-Oxide                     | VS-C035002 | N/A          |
| 4522 | Cabotegravir Impurity 1                 | VS-C035003 | N/A          |
| 4523 | Cabotegravir Impurity 2                 | VS-C035004 | 1646862-08-9 |
| 4524 | Cabotegravir Impurity 3                 | VS-C035005 | N/A          |
| 4525 | Cefadroxil                              | VS-C036000 | 50370-12-2   |
| 4526 | Cefadroxil Sulfoxide                    | VS-C036001 | 182290-77-3  |
| 4527 | Cefadroxil Monohydrate                  | VS-C036002 | 66592-87-8   |
| 4528 | Cefadroxil EP Impurity A                | VS-C036003 | 22818-40-2   |
| 4529 | Cefadroxil EP Impurity A Hydrochloride  | VS-C036004 | 52067-90-0   |
| 4530 | Cefadroxil EP Impurity A Sodium salt    | VS-C036005 | 55361-61-0   |
| 4531 | Cefadroxil EP Impurity A Potassium salt | VS-C036006 | 71839-16-2   |
| 4532 | Cefadroxil EP Impurity A Sulfate salt   | VS-C036007 | 170690-13-8  |
| 4533 | Cefadroxil EP Impurity B                | VS-C036008 | 22252-43-3   |
| 4534 | Cefadroxil EP Impurity B Hydrochloride  | VS-C036009 | 111696-41-4  |
| 4535 | Cefadroxil EP Impurity B Sodium salt    | VS-C036010 | 56871-82-0   |
| 4536 | Cefadroxil EP Impurity C                | VS-C036011 | 147103-96-6  |
| 4537 | Cefadroxil EP Impurity D                | VS-C036012 | 144790-28-3  |
| 4538 | Cefadroxil EP Impurity E                | VS-C036013 | 147103-93-3  |
| 4539 | Cefadroxil EP Impurity F                | VS-C036014 | 147103-95-5  |
| 4540 | Cefadroxil EP Impurity G                | VS-C036015 | 34876-35-2   |
| 4541 | Cefadroxil EP Impurity H                | VS-C036016 | N/A          |

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| 4542 | Cefadroxil Impurity 3                         | VS-C036017 | N/A          |
| 4543 | Cefadroxil USP Related Impurity G             | VS-C036018 | 147103-94-4  |
| 4544 | Cefadroxil USP Related Impurity C             | VS-C036019 | N/A          |
| 4545 | Cefadroxil USP Related Impurity J             | VS-C036020 | 2243976-70-5 |
| 4546 | Cefadroxil USP Related Impurity M             | VS-C036021 | 72820-16-7   |
| 4547 | Cefadroxil USP Related Impurity N             | VS-C036022 | 2378158-44-0 |
| 4548 | Cefadroxil USP Related Impurity O             | VS-C036023 | 2378158-45-1 |
| 4549 | O- Methoxycarbonyl Cefadroxil                 | VS-C036024 | N/A          |
| 4550 | Cefadroxil USP Related Impurity M Sodium salt | VS-C036025 | 72829-67-5   |
| 4551 | Cefalexin                                     | VS-C037000 | 15686-71-2   |
| 4552 | Cefalexin Monohydrate                         | VS-C037001 | 23325-78-2   |
| 4553 | Cephalexin S-Sulfoxide                        | VS-C037002 | 74708-55-7   |
| 4554 | Cefalexin EP Impurity A                       | VS-C037003 | 875-74-1     |
| 4555 | Cefalexin EP Impurity A Hydrochloride         | VS-C037004 | 25705-52-6   |
| 4556 | Cefalexin EP Impurity A Sodium salt           | VS-C037005 | 56337-83-8   |
| 4557 | Cefalexin EP Impurity A Potassium salt        | VS-C037006 | 37661-32-8   |
| 4558 | Cefalexin EP Impurity A Sulfate salt          | VS-C037007 | 91224-38-3   |
| 4559 | Cefalexin EP Impurity B                       | VS-C037008 | 22252-43-3   |
| 4560 | Cefalexin EP Impurity B Hydrochloride         | VS-C037009 | 111696-41-4  |
| 4561 | Cefalexin EP Impurity B Sodium salt           | VS-C037010 | 56871-82-0   |
| 4562 | Cefalexin EP Impurity C                       | VS-C037011 | 72528-40-6   |
| 4563 | Cefalexin EP Impurity D                       | VS-C037012 | 34876-35-2   |
| 4564 | Cefalexin EP Impurity E                       | VS-C037013 | 146794-70-9  |
| 4565 | Cefalexin EP Impurity F                       | VS-C037014 | N/A          |
| 4566 | Cefalexin R-Sulfoxide                         | VS-C037015 | 52210-38-5   |
| 4567 | Cephalexin Diketopiperazine Sodium Salt       | VS-C037016 | 62673-90-9   |
| 4568 | Cefalexin Impurity 1                          | VS-C037017 | N/A          |
| 4569 | Cefalexin Impurity 2                          | VS-C037018 | 59865-11-1   |
| 4570 | Cefalexin Impurity 3                          | VS-C037019 | N/A          |
| 4571 | Cefalexin Impurity 4                          | VS-C037020 | N/A          |
| 4572 | Cefalonium                                    | VS-C038000 | 5575-21-3    |
| 4573 | Cefalotin                                     | VS-C039000 | 153-61-7     |
| 4574 | Cefalotin Sodium                              | VS-C039001 | 58-71-9      |
| 4575 | Cefalotin EP Impurity A                       | VS-C039002 | 34691-02-6   |
| 4576 | Cefalotin EP Impurity B                       | VS-C039003 | 5935-65-9    |
| 4577 | Cefalotin EP Impurity C                       | VS-C039004 | 957-68-6     |
| 4578 | Cefalotin EP Impurity D                       | VS-C039005 | 10590-10-0   |
| 4579 | Cefalotin EP Impurity A Sodium salt           | VS-C039006 | 37049-55-1   |
| 4580 | Cefalotin EP Impurity A Potassium salt        | VS-C039007 | 94735-30-5   |
| 4581 | Cefalotin EP Impurity B Sodium salt           | VS-C039008 | 5547-29-5    |
| 4582 | Cefalotin EP Impurity B Potassium salt        | VS-C039009 | 1237-15-6    |
| 4583 | Cefalotin EP Impurity C Sodium Salt           | VS-C039010 | 40994-22-7   |
| 4584 | Cefalotin EP Impurity C Potassium salt        | VS-C039011 | 53064-81-6   |
| 4585 | Cefalotin EP Impurity C Hydrochloride         | VS-C039012 | 57399-61-8   |
| 4586 | Cetilistat                                    | VS-C040000 | 282526-98-1  |
| 4587 | Cetilistat Impurity B                         | VS-C040001 | 890655-08-0  |
| 4588 | Cefazedone                                    | VS-C041000 | 56187-47-4   |

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| 4589 | Cefazedone Sodium Salt                                         | VS-C041001 | 63521-15-3   |
| 4590 | Cefazedone Potassium Salt                                      | VS-C041002 | 66879-37-6   |
| 4591 | Cefazedone Impurity 1                                          | VS-C041003 | 15690-38-7   |
| 4592 | Cefazedone Impurity 1 Hydrochloride                            | VS-C041004 | 1414720-21-0 |
| 4593 | Cefazedone Impurity 1 Sodium salt                              | VS-C041005 | 14441-14-6   |
| 4594 | Cefazolin                                                      | VS-C042000 | 25953-19-9   |
| 4595 | Cefazolin Sodium                                               | VS-C042001 | 27164-46-1   |
| 4596 | Cefazolin EP Impurity A                                        | VS-C042002 | 30246-33-4   |
| 4597 | Cefazolin EP Impurity A Sodium salt                            | VS-C042003 | 66659-21-0   |
| 4598 | Cefazolin EP Impurity A Potassium salt                         | VS-C042004 | 88739-52-0   |
| 4599 | Cefazolin EP Impurity A Hydrochloride                          | VS-C042005 | 98493-37-9   |
| 4600 | Cefazolin EP Impurity B                                        | VS-C042006 | 2384108-14-7 |
| 4601 | Cefazolin EP Impurity C                                        | VS-C042007 | 56842-77-4   |
| 4602 | Cefazolin EP Impurity C Sodium salt                            | VS-C042008 | 37051-04-0   |
| 4603 | Cefazolin EP Impurity D                                        | VS-C042009 | 32510-61-5   |
| 4604 | Cefazolin EP Impurity D Sodium salt                            | VS-C042010 | 27164-45-0   |
| 4605 | Cefazolin EP Impurity D Potassium salt                         | VS-C042011 | 117030-04-3  |
| 4606 | Cefazolin EP Impurity E                                        | VS-C042012 | 29490-19-5   |
| 4607 | Cefazolin EP Impurity E Sodium salt                            | VS-C042013 | 40045-85-0   |
| 4608 | Cefazolin EP Impurity E Potassium salt                         | VS-C042014 | 79929-61-6   |
| 4609 | Cefazolin EP Impurity G                                        | VS-C042015 | N/A          |
| 4610 | Cefazolin EP Impurity H                                        | VS-C042016 | 957-68-6     |
| 4611 | Cefazolin EP Impurity H Sodium salt                            | VS-C042017 | 40994-22-7   |
| 4612 | Cefazolin EP Impurity H Potassium salt                         | VS-C042018 | 53064-81-6   |
| 4613 | Cefazolin EP Impurity H Hydrochloride                          | VS-C042019 | 57399-61-8   |
| 4614 | Cefazolin EP Impurity I                                        | VS-C042020 | 1675244-99-1 |
| 4615 | Cefazolin EP Impurity J                                        | VS-C042021 | 1675245-00-7 |
| 4616 | Cefazolin EP Impurity K                                        | VS-C042022 | 2410652-70-7 |
| 4617 | Cefazolin EP Impurity L                                        | VS-C042023 | N/A          |
| 4618 | Tetrazolyl Acetamide Diethyl Acetal                            | VS-C042024 | 2150044-08-7 |
| 4619 | Cefazolin Impurity (1H-Tetrazole-1-Acetic Acid)                | VS-C042025 | 21732-17-2   |
| 4620 | Cefazolin 3-Hydroxymethyl Impurity                             | VS-C042026 | 478494-71-2  |
| 4621 | Tetrazolyl Acetamide Acetal                                    | VS-C042027 | 1675245-47-2 |
| 4622 | Cefazolin Lactone G                                            | VS-C042028 | 1172998-53-6 |
| 4623 | Cefazolin Lactone Open Ring                                    | VS-C042029 | N/A          |
| 4624 | Cefazolin Diethylamide $\Delta 2$ Isomer                       | VS-C042030 | N/A          |
| 4625 | Cefazolin Delta-2-Isomer                                       | VS-C042031 | 55390-53-9   |
| 4626 | Cefazolinamide                                                 | VS-C042032 | N/A          |
| 4627 | Cefazolin Impurity (1H-Tetrazole-1-Acetic Acid) Sodium salt    | VS-C042033 | 51286-84-1   |
| 4628 | Cefazolin Impurity (1H-Tetrazole-1-Acetic Acid) Potassium salt | VS-C042034 | 51286-83-0   |
| 4629 | Cefazolin Impurity (1H-Tetrazole-1-Acetic Acid) Hydrochloride  | VS-C042035 | 1222197-07-0 |
| 4630 | Cefazolin 3-Hydroxymethyl Impurity Sodium salt                 | VS-C042036 | 50971-65-8   |
| 4631 | Cefazolin Impurity 1                                           | VS-C042037 | 2416213-67-5 |
| 4632 | Cefazolin Impurity 3                                           | VS-C042038 | N/A          |
| 4633 | Cefazolin Impurity 4                                           | VS-C042039 | N/A          |
| 4634 | Cefazolin Impurity 5                                           | VS-C042040 | 1797135-60-4 |
| 4635 | Cefdinir                                                       | VS-C043000 | 91832-40-5   |

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| 4636 | Cefdinir (E)-Isomer (USP)                                    | VS-C043001 | 178601-88-2  |
| 4637 | Cefdinir 3-Methyl Impurity (USP)                             | VS-C043002 | 71091-93-5   |
| 4638 | Cefdinir Isoxazole Analog (USP)                              | VS-C043003 | 1356842-10-8 |
| 4639 | Cefdinir Lactone (USP)                                       | VS-C043004 | 946573-41-7  |
| 4640 | Cefdinir Thiazolylacetyl Glycine Oxime Acetal Impurity (USP) | VS-C043005 | 178422-40-7  |
| 4641 | Cefdinir Thiazolylacetyl Glycine Oxime Impurity (USP)        | VS-C043006 | 178949-03-6  |
| 4642 | Cefdinir USP RC A                                            | VS-C043007 | N/A          |
| 4643 | Cefdinir USP RC B                                            | VS-C043008 | 79350-10-0   |
| 4644 | Cefdinir Decarboxy Open Ring Lactone Impurity                | VS-C043009 | 178949-04-7  |
| 4645 | Cefdinir Isoxazole Analog                                    | VS-C043010 | 1330164-22-1 |
| 4646 | Cefdinir 7-Epimer                                            | VS-C043011 | 178601-89-3  |
| 4647 | Cefdinir Sulfoxide                                           | VS-C043012 | 934986-48-8  |
| 4648 | Cefdinir glyoxalic analog                                    | VS-C043013 | 79350-14-4   |
| 4649 | Cefdinir thiazine analog                                     | VS-C043014 | 178422-39-4  |
| 4650 | O-Acetyl Cefdinir                                            | VS-C043015 | 127770-93-8  |
| 4651 | N-Acetyl Cefdinir                                            | VS-C043016 | N/A          |
| 4652 | 7S Cefdinir Impurity                                         | VS-C043017 | N/A          |
| 4653 | Trytil Cefdinir CFD-I IS                                     | VS-C043018 | N/A          |
| 4654 | Cefditoren Pivoxil                                           | VS-C044000 | 117467-28-4  |
| 4655 | Cefditoren Open Ring Dimer                                   | VS-C044001 | NA           |
| 4656 | Cefepime                                                     | VS-C045000 | 88040-23-7   |
| 4657 | Cefepime Sulfoxide                                           | VS-C045001 | 112258-91-0  |
| 4658 | L Arginine                                                   | VS-C045002 | 74-79-3      |
| 4659 | Cefepime Dihydrochloride Monohydrate                         | VS-C045003 | 123171-59-5  |
| 4660 | Cefepime EP Impurity A                                       | VS-C045004 | 97164-57-3   |
| 4661 | Cefepime EP Impurity B                                       | VS-C045005 | N/A          |
| 4662 | Cefepime EP Impurity C                                       | VS-C045006 | 104301-63-5  |
| 4663 | Cefepime EP Impurity D                                       | VS-C045007 | 65872-41-5   |
| 4664 | Cefepime EP Impurity D Hydrochloride                         | VS-C045008 | 148417-13-4  |
| 4665 | Cefepime EP Impurity D Sodium salt                           | VS-C045009 | 78172-35-7   |
| 4666 | Cefepime EP Impurity D Potassium salt                        | VS-C045010 | 112097-97-9  |
| 4667 | Cefepime EP Impurity D Sulfate salt                          | VS-C045011 | 161555-76-6  |
| 4668 | Cefepime EP Impurity E (Cl)                                  | VS-C045012 | 103121-85-3  |
| 4669 | Cefepime EP Impurity E                                       | VS-C045013 | 110026-16-9  |
| 4670 | Cefepime EP Impurity F                                       | VS-C045014 | N/A          |
| 4671 | Cefepime EP Impurity G                                       | VS-C045015 | 120-94-5     |
| 4672 | Cefepime EP Impurity G Hydrochloride                         | VS-C045016 | 36520-42-0   |
| 4673 | Cefepime EP Impurity G Sulfate                               | VS-C045017 | 684226-89-9  |
| 4674 | Cefepime EP Impurity G Hydrobromide salt                     | VS-C045018 | 51368-35-5   |
| 4675 | L-hydroxyarginine                                            | VS-C045019 | 53054-07-2   |
| 4676 | Cefepime Delta-2 -Isomer                                     | VS-C045020 | 112258-89-6  |
| 4677 | Cefepime Declatam Lactone Decarboxylate                      | VS-C045021 | N/A          |
| 4678 | L-hydroxyarginine Dihydrochloride salt                       | VS-C045022 | 133565-48-7  |
| 4679 | Cefixime                                                     | VS-C046000 | 79350-37-1   |
| 4680 | Cefixime Trihydrate                                          | VS-C046001 | 125110-14-7  |
| 4681 | Cefixime Sulfoxide                                           | VS-C046002 | 133555-87-7  |
| 4682 | Cefixime Sulfone                                             | VS-C046003 | N/A          |

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| 4683 | Cefixime EP Impurity A                      | VS-C046004 | 1614255-90-1 |
| 4684 | Cefixime EP Impurity B                      | VS-C046005 | N/A          |
| 4685 | Cefixime EP Impurity C                      | VS-C046006 | 108691-83-4  |
| 4686 | Cefixime EP Impurity C Disodium salt        | VS-C046007 | 124506-28-1  |
| 4687 | Cefixime EP Impurity D                      | VS-C046008 | 97164-56-2   |
| 4688 | Cefixime EP Impurity D Hydrochloride        | VS-C046009 | 79369-28-1   |
| 4689 | Cefixime EP Impurity D Sodium salt          | VS-C046010 | 1202055-17-1 |
| 4690 | Cefixime EP Impurity D Potassium salt       | VS-C046011 | 1202055-18-2 |
| 4691 | Cefixime EP Impurity D Sulfate              | VS-C046012 | 210702-16-2  |
| 4692 | Cefixime EP Impurity E                      | VS-C046013 | 72701-01-0   |
| 4693 | Cefixime EP Impurity E Sodium salt          | VS-C046014 | 72701-09-8   |
| 4694 | Cefixime EP Impurity E Potassium salt       | VS-C046015 | 1582788-38-2 |
| 4695 | Cefixime EP Impurity F                      | VS-C046016 | 79368-95-9   |
| 4696 | Cefixime Methyl Ester                       | VS-C046017 | 88621-01-6   |
| 4697 | Cefixime Impurity (7-AVCA)                  | VS-C046018 | 79349-82-9   |
| 4698 | Cefixime Impurity (7-AVCA) Potassium salt   | VS-C046019 | 188128-13-4  |
| 4699 | Cefixime tert-Butyl Ester                   | VS-C046020 | 79368-92-6   |
| 4700 | Cefixime Impurity 1                         | VS-C046021 | 80544-17-8   |
| 4701 | Cefixime Impurity 2                         | VS-C046022 | 108636-27-7  |
| 4702 | Cefixime Impurity 3                         | VS-C046023 | 128012-77-1  |
| 4703 | Cefixime Impurity 4                         | VS-C046024 | N/A          |
| 4704 | Cefixime Impurity 5                         | VS-C046025 | N/A          |
| 4705 | Cefoperazone                                | VS-C047000 | 62893-19-0   |
| 4706 | Cefoperazone Sodium                         | VS-C047001 | 62893-20-3   |
| 4707 | Cefoperazone Hydrochloride                  | VS-C047002 | 1384378-47-5 |
| 4708 | Cefoperazone Sulfate                        | VS-C047003 | 2415371-88-7 |
| 4709 | Cefoperazone EP Impurity A                  | VS-C047004 | 73240-08-1   |
| 4710 | Cefoperazone EP Impurity B                  | VS-C047005 | 711598-76-4  |
| 4711 | Cefoperazone EP Impurity B (Sodium salt)    | VS-C047006 | 127923-94-8  |
| 4712 | Cefoperazone EP Impurity C                  | VS-C047007 | 13183-79-4   |
| 4713 | Cefoperazone EP Impurity C (Sodium salt)    | VS-C047008 | 51138-06-8   |
| 4714 | Cefoperazone EP Impurity C (Potassium salt) | VS-C047009 | 62557-28-2   |
| 4715 | Cefoperazone EP Impurity D                  | VS-C047010 | 37539-03-0   |
| 4716 | Cefoperazone EP Impurity D (HCl salt)       | VS-C047011 | 1184179-35-8 |
| 4717 | Cefoperazone EP Impurity E                  | VS-C047012 | 957-68-6     |
| 4718 | Cefoperazone EP Impurity E (HCl salt)       | VS-C047013 | 57399-61-8   |
| 4719 | Cefoperazone EP Impurity E (Sodium salt)    | VS-C047014 | 40994-22-7   |
| 4720 | Cefoperazone EP Impurity E (Potassium salt) | VS-C047015 | 53064-81-6   |
| 4721 | Cefoperazone EP Impurity F                  | VS-C047016 | 1315481-36-7 |
| 4722 | Cefoperazone Impurity 1                     | VS-C047017 | 59703-00-3   |
| 4723 | Cefoperazone Impurity 2                     | VS-C047018 | 62893-24-7   |
| 4724 | Cefoperazone Impurity 2 (Sodium salt)       | VS-C047019 | 82778-05-0   |
| 4725 | Cefoperazone Impurity 2 (Potassium salt)    | VS-C047020 | 2267303-82-0 |
| 4726 | Cefoperazone Impurity 4                     | VS-C047021 | 1416704-15-8 |
| 4727 | Cefoperazone Impurity 5                     | VS-C047022 | N/A          |
| 4728 | Cefoperazone Impurity 6                     | VS-C047023 | N/A          |
| 4729 | Cefoperazone Impurity 7                     | VS-C047024 | N/A          |

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| 4730 | Cefoperazone Impurity 8                           | VS-C047025 | 1204325-21-2 |
| 4731 | Cefoperazone Impurity 9                           | VS-C047026 | N/A          |
| 4732 | Cefoperazone Impurity 10                          | VS-C047027 | N/A          |
| 4733 | Cefoperazone Impurity 11                          | VS-C047028 | 73240-09-2   |
| 4734 | Cefoperazone Impurity 12                          | VS-C047029 | N/A          |
| 4735 | Cefoperazone Impurity 13                          | VS-C047030 | N/A          |
| 4736 | Cefotaxime Sodium                                 | VS-C048000 | 64485-93-4   |
| 4737 | Cefotaxime Sodium EP Impurity A                   | VS-C048001 | 65052-63-3   |
| 4738 | Cefotaxime Sodium EP Impurity B                   | VS-C048002 | 66340-28-1   |
| 4739 | Cefotaxime Sodium EP Impurity C                   | VS-C048003 | 66403-32-5   |
| 4740 | Cefotaxime Sodium EP Impurity D                   | VS-C048004 | 63527-53-7   |
| 4741 | Cefotaxime Sodium EP Impurity E                   | VS-C048005 | 66340-33-8   |
| 4742 | Cefotaxime Sodium EP Impurity F                   | VS-C048006 | 175032-97-0  |
| 4743 | Cefotaxime Sodium EP Impurity G                   | VS-C048007 | N/A          |
| 4744 | Cefotaxime Sodium Impurity 1                      | VS-C048008 | 152186-43-1  |
| 4745 | Cefotiam Dihydrochloride                          | VS-C049001 | 66309-69-1   |
| 4746 | Cefoxitin                                         | VS-C050000 | 35607-66-0   |
| 4747 | Cefoxitin EP Impurity A                           | VS-C050001 | 1158963-31-5 |
| 4748 | Cefoxitin EP Impurity A Potassium Salt            | VS-C050002 | 37051-16-4   |
| 4749 | Cefoxitin EP Impurity A Sodium Salt               | VS-C050003 | 94089-00-6   |
| 4750 | Cefoxitin EP Impurity B                           | VS-C050004 | N/A          |
| 4751 | Cefoxitin EP Impurity C                           | VS-C050005 | 10590-10-0   |
| 4752 | Cefoxitin EP Impurity E                           | VS-C050006 | 2395025-32-6 |
| 4753 | Cefoxitin EP Impurity F                           | VS-C050007 | 2395025-37-1 |
| 4754 | Cefoxitin EP Impurity G                           | VS-C050008 | N/A          |
| 4755 | Cefoxitin EP Impurity D                           | VS-C050009 | 1422023-33-3 |
| 4756 | Carbamoyloxy Cefoxitin Acid                       | VS-C050010 | N/A          |
| 4757 | Desmethoxy Cefoxitin                              | VS-C050011 | 37051-05-1   |
| 4758 | Cefoxitin Delactam Lactone                        | VS-C050012 | N/A          |
| 4759 | Cefoxitin Delactam Amide Lactone                  | VS-C050013 | N/A          |
| 4760 | Methoxy Cefoxitin                                 | VS-C050014 | 35565-06-1   |
| 4761 | Descarbamoyloxy Cefoxitin                         | VS-C050015 | 40514-94-1   |
| 4762 | Cefoxitin Dimer Impurity 2                        | VS-C050016 | N/A          |
| 4763 | Cefoxitin Sodium Salt                             | VS-C050017 | 33564-30-6   |
| 4764 | Desmethoxy Cefoxitin Sodium Salt                  | VS-C050018 | 51601-76-4   |
| 4765 | Methoxy Cefoxitin Sodium Salt                     | VS-C050019 | 35565-07-2   |
| 4766 | Methoxy Cefoxitin Potassium Salt                  | VS-C050020 | 53982-54-0   |
| 4767 | Cefozopran                                        | VS-C051000 | 113981-44-5  |
| 4768 | Cefpodoxime Proxetil                              | VS-C052000 | 87239-81-4   |
| 4769 | Cefpodoxime Proxetil EP Impurity A                | VS-C052001 | 80210-62-4   |
| 4770 | Cefpodoxime Proxetil EP Impurity A Hydrochloride  | VS-C052002 | 79287-88-0   |
| 4771 | Cefpodoxime Proxetil EP Impurity A Sodium Salt    | VS-C052003 | 82619-04-3   |
| 4772 | Cefpodoxime Proxetil EP Impurity A Potassium Salt | VS-C052004 | 339555-72-5  |
| 4773 | Cefpodoxime Proxetil EP Impurity A Calcium Salt   | VS-C052005 | 339556-09-1  |
| 4774 | Cefpodoxime Proxetil EP Impurity B                | VS-C052006 | 947692-14-0  |
| 4775 | Cefpodoxime Proxetil EP Impurity C                | VS-C052007 | 339528-86-8  |
| 4776 | Cefpodoxime Proxetil EP Impurity D                | VS-C052008 | 947692-13-9  |

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| 4777 | Cefpodoxime Proxetil EP Impurity E      | VS-C052009 | 217803-89-9  |
| 4778 | Cefpodoxime Proxetil EP Impurity F      | VS-C052010 | 96680-30-7   |
| 4779 | Cefpodoxime Proxetil EP Impurity G      | VS-C052011 | 947692-15-1  |
| 4780 | Cefpodoxime Proxetil EP Impurity H      | VS-C052012 | 947692-16-2  |
| 4781 | Cefpodoxime Proxetil Impurity I         | VS-C052013 | 1192365-87-9 |
| 4782 | Cefpodoxime Proxetil Carbomyl Dimer     | VS-C052014 | N/A          |
| 4783 | Cefpodoxime Proxetil Sulfate salt       | VS-C052015 | 1209008-84-3 |
| 4784 | Cefpodoxime CPDP Sulfoxide 1,2 Impurity | VS-C052016 | N/A          |
| 4785 | Cefprozil Monohydrate                   | VS-C053000 | 121123-17-9  |
| 4786 | Cefprozil Monohydrate EP Impurity A     | VS-C053001 | 22818-40-2   |
| 4787 | Cefprozil Monohydrate EP Impurity B     | VS-C053002 | 50370-12-2   |
| 4788 | Cefprozil Monohydrate EP Impurity C     | VS-C053003 | 147103-93-3  |
| 4789 | Cefprozil Monohydrate EP Impurity D     | VS-C053004 | 106447-44-3  |
| 4790 | Cefprozil Monohydrate EP Impurity E     | VS-C053005 | N/A          |
| 4791 | Cefprozil Monohydrate EP Impurity F     | VS-C053006 | 107937-01-9  |
| 4792 | Cefprozil Monohydrate EP Impurity G     | VS-C053007 | N/A          |
| 4793 | Cefprozil Monohydrate EP Impurity H     | VS-C053008 | N/A          |
| 4794 | Cefprozil Monohydrate EP Impurity I     | VS-C053009 | N/A          |
| 4795 | Cefprozil Monohydrate EP Impurity J     | VS-C053010 | N/A          |
| 4796 | Cefprozil Monohydrate EP Impurity K     | VS-C053011 | N/A          |
| 4797 | Cefprozil Monohydrate EP Impurity L     | VS-C053012 | 203007-73-2  |
| 4798 | Cefprozil Monohydrate EP Impurity M     | VS-C053013 | 1605314-84-8 |
| 4799 | Cefprozil Monohydrate EP Impurity N     | VS-C053014 | 1605314-85-9 |
| 4800 | Cefprozil Delta-3 Isomer                | VS-C053015 | 1000980-59-5 |
| 4801 | Cefprozil (Z)-Isomer                    | VS-C053016 | 121412-77-9  |
| 4802 | Cefprozil (E)-Isomer                    | VS-C053017 | 92676-86-3   |
| 4803 | Methoxy Cefadroxil                      | VS-C053018 | N/A          |
| 4804 | Cefprozil amide                         | VS-C053019 | N/A          |
| 4805 | Cefprozil Dimer                         | VS-C053020 | N/A          |
| 4806 | Cefprozil Impurity CPZRC-4              | VS-C053021 | N/A          |
| 4807 | Cefprozil Impurity CPZRC-5              | VS-C053022 | N/A          |
| 4808 | Cefprozil                               | VS-C053023 | 92665-29-7   |
| 4809 | Cefprozil EP Impurity A Sodium salt     | VS-C053024 | 55361-61-0   |
| 4810 | Cefprozil EP Impurity A Potassium salt  | VS-C053025 | 71839-16-2   |
| 4811 | Cefprozil EP Impurity A Hydrochloride   | VS-C053026 | 52067-90-0   |
| 4812 | Cefprozil EP Impurity A Sulfate salt    | VS-C053027 | 170690-13-8  |
| 4813 | Cefprozil EP Impurity B Sodium salt     | VS-C053028 | 42284-83-3   |
| 4814 | Cefprozil EP Impurity B Potassium salt  | VS-C053029 | 852474-72-7  |
| 4815 | Cefprozil EP Impurity B Sulfate salt    | VS-C053030 | 1209009-15-3 |
| 4816 | Cefprozil EP Impurity B Hydrochloride   | VS-C053031 | 78144-01-1   |
| 4817 | Cefprozil EP Impurity D Potassium salt  | VS-C053032 | 151413-33-1  |
| 4818 | Cefprozil EP Impurity D Hydrochloride   | VS-C053033 | 106455-66-7  |
| 4819 | Cefprozil EP Impurity F Hydrochloride   | VS-C053034 | 141140-39-8  |
| 4820 | Cefprozil EP Impurity F Potassium salt  | VS-C053035 | 151413-34-2  |
| 4821 | Cefprozil EP Impurity L Hydrochloride   | VS-C053036 | 245045-05-0  |
| 4822 | Cefprozil (Z)-Isomer Sodium salt        | VS-C053037 | 92694-60-5   |
| 4823 | Cefprozil (Z)-Isomer Hydrochloride      | VS-C053038 | 2248550-04-9 |



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| 4824 | Cefprozil L-Epimer                      | VS-C053039 | 110764-35-7  |
| 4825 | O-Acyl Cefprozil                        | VS-C053040 | N/A          |
| 4826 | Hydroxyphenyldiketopiperazine lactone   | VS-C053041 | N/A          |
| 4827 | Ceftaroline Fosamil                     | VS-C054000 | 229016-73-3  |
| 4828 | Ceftaroline Impurity 1                  | VS-C054001 | 54639-48-4   |
| 4829 | Ceftaroline Impurity 2                  | VS-C054002 | 77168-63-9   |
| 4830 | Ceftaroline Impurity 3                  | VS-C054003 | 2423165-50-6 |
| 4831 | Ceftaroline Fosamil Acetate             | VS-C054004 | 400827-46-5  |
| 4832 | Ceftazidime Pentahydrate                | VS-C055000 | 78439-06-2   |
| 4833 | Ceftazidime                             | VS-C055001 | 72558-82-8   |
| 4834 | Ceftazidime EP Impurity A               | VS-C055002 | 1000980-60-8 |
| 4835 | Ceftazidime EP Impurity B               | VS-C055003 | 97148-38-4   |
| 4836 | Ceftazidime EP Impurity C               | VS-C055004 | 41360-25-2   |
| 4837 | Ceftazidime EP Impurity E               | VS-C055005 | 102772-66-7  |
| 4838 | Ceftazidime EP Impurity G               | VS-C055006 | 194241-83-3  |
| 4839 | Ceftazidime EP Impurity H               | VS-C055007 | 1354396-23-8 |
| 4840 | Ceftazidime EP Impurity F               | VS-C055008 | 110-86-1     |
| 4841 | Formyl Ceftazidime                      | VS-C055009 | 1301254-49-8 |
| 4842 | Desacetyl Ceftazidime lactone           | VS-C055010 | 1301254-50-1 |
| 4843 | Ceftazidime Sulfoxide                   | VS-C055011 | 1301254-48-7 |
| 4844 | Ceftazidime Dihydrochloride             | VS-C055012 | 73547-70-3   |
| 4845 | N-Furoyl Ceftiofur                      | VS-C056001 | N/A          |
| 4846 | N-Deacyl Ceftiofur                      | VS-C056002 | 80370-59-8   |
| 4847 | Desfuroyl ceftiofur                     | VS-C056003 | 120882-22-6  |
| 4848 | Ceftizoxime Sodium                      | VS-C057000 | 68401-82-1   |
| 4849 | Ceftizoxime Impurity 1                  | VS-C057001 | 770660-21-4  |
| 4850 | Ceftizoxime Impurity 2                  | VS-C057002 | 1942004-69-4 |
| 4851 | Ceftriaxone Disodium Hydrate            | VS-C058001 | N/A          |
| 4852 | Ceftriaxone EP Impurity A               | VS-C058002 | 92143-31-2   |
| 4853 | Ceftriaxone EP Impurity A Sodium Salt   | VS-C058003 | 97164-54-0   |
| 4854 | Ceftriaxone EP Impurity B               | VS-C058004 | 66340-33-8   |
| 4855 | Ceftriaxone EP Impurity C               | VS-C058005 | 58909-39-0   |
| 4856 | Ceftriaxone EP Impurity C Sodium Salt   | VS-C058006 | 106393-23-1  |
| 4857 | Ceftriaxone EP Impurity D               | VS-C058007 | 80756-85-0   |
| 4858 | Ceftriaxone EP Impurity D Hydrochloride | VS-C058008 | 1401217-78-4 |
| 4859 | Ceftriaxone EP Impurity E               | VS-C058009 | 58909-56-1   |
| 4860 | Ceftriaxone EP Impurity E Hydrochloride | VS-C058010 | 113791-11-0  |
| 4861 | Ceftriaxone EP Impurity E Sodium Salt   | VS-C058011 | 2227256-62-2 |
| 4862 | Ceftriaxone Triazine Analog             | VS-C058012 | N/A          |
| 4863 | Ceftriaxone Impurity Cefotaxime         | VS-C058013 | 219827-56-2  |
| 4864 | Ceftriaxone Impurity MBT                | VS-C058014 | 149-30-4     |
| 4865 | Ceftriaxone 3-ene isomer                | VS-C058015 | N/A          |
| 4866 | 2-Ethylhexanoic acid (2-EHA)            | VS-C058016 | 149-57-5     |
| 4867 | 3-cyclohexylpropionic acid              | VS-C058017 | 701-97-3     |
| 4868 | Ceftriaxone Impurity MBT Sodium Salt    | VS-C058018 | 2492-26-4    |
| 4869 | Ceftriaxone Impurity MBT Potassium Salt | VS-C058019 | 7778-70-3    |
| 4870 | 2-Ethylhexanoic acid Potassium Salt     | VS-C058020 | 3164-85-0    |

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| 4871 | 2-Ethylhexanoic acid Sodium Salt                    | VS-C058021 | 19766-89-3   |
| 4872 | Ceftriaxone Impurity 1                              | VS-C058022 | 1684396-27-7 |
| 4873 | Ceftriaxone Impurity 2                              | VS-C058023 | 84994-24-1   |
| 4874 | Ceftriaxone Impurity 3                              | VS-C058024 | 959246-33-4  |
| 4875 | Ceftriaxone Disodium Hemiheptahydrate               | VS-C058025 | 104376-79-6  |
| 4876 | Cefuroxime                                          | VS-C059000 | 55268-75-2   |
| 4877 | Cefuroxime Sodium                                   | VS-C059001 | 56238-63-2   |
| 4878 | Cefuroxime EP Impurity A                            | VS-C059002 | 56271-94-4   |
| 4879 | Cefuroxime EP Impurity A Sodium salt                | VS-C059003 | 134947-41-4  |
| 4880 | Cefuroxime EP Impurity A Potassium salt             | VS-C059004 | 100631-78-5  |
| 4881 | Cefuroxime EP Impurity B                            | VS-C059005 | 39685-31-9   |
| 4882 | Cefuroxime EP Impurity B Sodium salt                | VS-C059006 | 57847-71-9   |
| 4883 | Cefuroxime EP Impurity C                            | VS-C059007 | 69822-88-4   |
| 4884 | Cefuroxime EP Impurity D                            | VS-C059008 | 76598-06-6   |
| 4885 | Cefuroxime EP Impurity E                            | VS-C059009 | 97232-97-8   |
| 4886 | Cefuroxime EP Impurity E Sodium salt                | VS-C059010 | 97232-49-0   |
| 4887 | Cefuroxime EP Impurity F                            | VS-C059011 | 97170-19-9   |
| 4888 | Cefuroxime EP Impurity G                            | VS-C059012 | 97232-98-9   |
| 4889 | Cefuroxime EP Impurity G Sodium salt                | VS-C059013 | 97170-20-2   |
| 4890 | Cefuroxime EP Impurity H                            | VS-C059014 | 947723-87-7  |
| 4891 | Cefuroxime EP Impurity H Sodium salt                | VS-C059015 | 947692-51-5  |
| 4892 | Cefuroxime EP Impurity I                            | VS-C059016 | 39684-61-2   |
| 4893 | Cefuroxime EP Impurity I Sodium salt                | VS-C059017 | 65866-48-0   |
| 4894 | Cefuroxime Axetil                                   | VS-C059018 | 64544-07-6   |
| 4895 | Cefuroxime Axetil Hydrochloride                     | VS-C059019 | 102672-56-0  |
| 4896 | Cefuroxime Axetil EP Impurity A                     | VS-C059020 | 123458-61-7  |
| 4897 | Cefuroxime Axetil EP Impurity B                     | VS-C059021 | 97232-96-7   |
| 4898 | Cefuroxime Acid $\Delta^2$ -Isomer                  | VS-C059022 | 229499-08-5  |
| 4899 | Cefuroxime Acid Methyl Ester                        | VS-C059023 | 1700623-77-3 |
| 4900 | Orcinol                                             | VS-C059024 | 504-15-4     |
| 4901 | (Z)-2-Methoxyimino-2-furanacetic Acid Ammonium Salt | VS-C059025 | 97148-39-5   |
| 4902 | Cefuroxime Axetil Dimer                             | VS-C059026 | 1202925-10-7 |
| 4903 | Cefuroxime Axetil Impurity 1                        | VS-C059027 | N/A          |
| 4904 | Cefuroxime Axetil Impurity 2                        | VS-C059028 | N/A          |
| 4905 | Cefuroxime Axetil Impurity 4                        | VS-C059029 | 59176-08-8   |
| 4906 | Cefuroxime Axetil Impurity 5                        | VS-C059030 | N/A          |
| 4907 | Cefuroxime Axetil Impurity 6                        | VS-C059031 | 183385-06-0  |
| 4908 | Cefuroxime Axetil Impurity 7                        | VS-C059032 | 108260-00-0  |
| 4909 | Cefuroxime Axetil Impurity 8                        | VS-C059033 | 26395-99-3   |
| 4910 | Cephaslosporin Impurity C                           | VS-C059034 | N/A          |
| 4911 | 2-oxo-2-furanacetic acid                            | VS-C059035 | 1467-70-5    |
| 4912 | (E)-2-Methoxyimino-2-furanacetic Acid Ammonium Salt | VS-C059036 | 97148-40-8   |
| 4913 | Cefuroxime Impurity 1                               | VS-C059037 | 75044-85-8   |
| 4914 | Cefuroxime Axetil EP Impurity D                     | VS-C059038 | 55268-75-2   |
| 4915 | Cefuroxime Axetil Sulfoxide Impurity                | VS-C059039 | N/A          |
| 4916 | Celecoxib                                           | VS-C060000 | 169590-42-5  |
| 4917 | Celecoxib EP Impurity A                             | VS-C060001 | 170570-01-1  |

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| 4918 | Celecoxib EP Impurity B                | VS-C060002 | 331943-04-5  |
| 4919 | Celecoxib 2-Methyl Analog              | VS-C060003 | 170569-99-0  |
| 4920 | Celecoxib Carboxylic Acid              | VS-C060004 | 170571-01-4  |
| 4921 | Celecoxib Hydroxymethyl Analog         | VS-C060005 | 170571-00-3  |
| 4922 | Celecoxib Hydrazine Impurity           | VS-C060006 | 17852-52-7   |
| 4923 | Celecoxib Related Compound 1           | VS-C060007 | 122-00-9     |
| 4924 | Celecoxib Related Compound 3           | VS-C060008 | 948293-46-7  |
| 4925 | Celecoxib Related Compound 4           | VS-C060009 | 720-94-5     |
| 4926 | Celecoxib Related Compound 7           | VS-C060010 | N/A          |
| 4927 | Celecoxib Impurity 3                   | VS-C060011 | 170569-87-6  |
| 4928 | Celecoxib Impurity 4                   | VS-C060012 | 1803258-57-2 |
| 4929 | Celecoxib Impurity 5                   | VS-C060013 | 1061214-06-9 |
| 4930 | Celecoxib Impurity 6                   | VS-C060014 | 219986-64-8  |
| 4931 | Celecoxib Impurity 7                   | VS-C060015 | 163266-02-2  |
| 4932 | Celecoxib Impurity 8                   | VS-C060016 | N/A          |
| 4933 | Celecoxib Impurity 9                   | VS-C060017 | N/A          |
| 4934 | Celecoxib Impurity 10                  | VS-C060018 | N/A          |
| 4935 | Celecoxib Impurity 11                  | VS-C060019 | N/A          |
| 4936 | Celecoxib Impurity 12                  | VS-C060020 | N/A          |
| 4937 | Celecoxib Impurity 13                  | VS-C060021 | N/A          |
| 4938 | Celecoxib Impurity 14                  | VS-C060022 | 36326-86-0   |
| 4939 | Celecoxib Impurity 15                  | VS-C060023 | 1576-43-8    |
| 4940 | Celecoxib Impurity 16                  | VS-C060024 | 53764-99-1   |
| 4941 | Celecoxib Impurity 17                  | VS-C060025 | 75877-78-0   |
| 4942 | Celecoxib Impurity 18                  | VS-C060026 | 170570-09-9  |
| 4943 | Celecoxib Impurity 19                  | VS-C060027 | 4392-54-5    |
| 4944 | Celiprolol Hydrochloride               | VS-C061000 | 57470-78-7   |
| 4945 | Celiprolol Hydrochloride EP Impurity A | VS-C061001 | 56980-94-0   |
| 4946 | Celiprolol Hydrochloride EP Impurity B | VS-C061002 | 125579-40-0  |
| 4947 | Celiprolol Hydrochloride EP Impurity C | VS-C061003 | 57471-01-9   |
| 4948 | Celiprolol Hydrochloride EP Impurity D | VS-C061004 | N/A          |
| 4949 | Celiprolol Hydrochloride EP Impurity E | VS-C061005 | N/A          |
| 4950 | Celiprolol Hydrochloride EP Impurity F | VS-C061006 | 79881-89-3   |
| 4951 | Celiprolol Hydrochloride EP Impurity G | VS-C061007 | 56980-98-4   |
| 4952 | Celiprolol Hydrochloride EP Impurity H | VS-C061008 | 85045-98-3   |
| 4953 | Celiprolol Hydrochloride EP Impurity I | VS-C061009 | N/A          |
| 4954 | 4-Nitrophenyl Acetate                  | VS-C061010 | 830-03-5     |
| 4955 | 2'-Hydroxy-5'-Nitroacetophenone        | VS-C061011 | 1450-76-6    |
| 4956 | Celiprolol Impurity 1                  | VS-C061012 | 329722-32-9  |
| 4957 | Ceramide                               | VS-C062000 | 100403-19-8  |
| 4958 | Ceritinib                              | VS-C063000 | 1032900-25-6 |
| 4959 | Ceritinib Impurity 1                   | VS-C063001 | N/A          |
| 4960 | Ceritinib Impurity 2                   | VS-C063002 | N/A          |
| 4961 | Ceritinib Impurity 3                   | VS-C063003 | N/A          |
| 4962 | Ceritinib Impurity 4                   | VS-C063004 | N/A          |
| 4963 | Ceritinib Impurity 5                   | VS-C063005 | N/A          |
| 4964 | Ceritinib Impurity 6                   | VS-C063006 | N/A          |

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| 4965 | Ceritinib Impurity 7                                | VS-C063007 | 112108-73-3   |
| 4966 | Ceritinib Impurity 8                                | VS-C063008 | 1032903-50-6  |
| 4967 | Ceritinib Impurity 9                                | VS-C063009 | 100777-46-6   |
| 4968 | Ceritinib Impurity 10                               | VS-C063010 | 64695-96-1    |
| 4969 | Ceritinib Impurity 11                               | VS-C063011 | 761440-16-8   |
| 4970 | Ceritinib Impurity 12                               | VS-C063012 | 761440-17-9   |
| 4971 | Cetirizine                                          | VS-C064000 | 83881-51-0    |
| 4972 | Cetirizine Dihydrochloride                          | VS-C064001 | 83881-52-1    |
| 4973 | Cetirizine EP Impurity A                            | VS-C064002 | 303-26-4      |
| 4974 | Cetirizine EP Impurity B                            | VS-C064003 | 113740-61-7   |
| 4975 | Cetirizine EP Impurity B Ethyl Ester                | VS-C064004 | 19178-83-7    |
| 4976 | Cetirizine EP Impurity C                            | VS-C064005 | 83881-59-8    |
| 4977 | Cetirizine EP Impurity D                            | VS-C064006 | 346451-15-8   |
| 4978 | Cetirizine EP Impurity E                            | VS-C064007 | 682323-77-9   |
| 4979 | Cetirizine EP Impurity F                            | VS-C064008 | 83881-53-2    |
| 4980 | Cetirizine EP Impurity G                            | VS-C064009 | 164726-80-1   |
| 4981 | Cetirizine Methyl Ester (USP)                       | VS-C064010 | 83881-48-5    |
| 4982 | Cetirizine USP Related Compound A (2HCl salt)       | VS-C064011 | 2732277-01-7  |
| 4983 | Cetirizine USP RC B                                 | VS-C064012 | 108983-83-1   |
| 4984 | Cetirizine USP RC C                                 | VS-C064013 | 83881-37-2    |
| 4985 | Cetirizine 4-Chlorobenzhydrol Impurity              | VS-C064014 | 119-56-2      |
| 4986 | 4-Chlorobenzophenone Impurity                       | VS-C064015 | 134-85-0      |
| 4987 | Cetirizine 3-Chloro Impurity                        | VS-C064016 | 1232460-29-5  |
| 4988 | Cetirizine R-Isomer                                 | VS-C064017 | 130018-87-0   |
| 4989 | Cetirizine S-Isomer                                 | VS-C064018 | 130018-89-2   |
| 4990 | Cetirizine N-Oxide                                  | VS-C064019 | 1076199-80-8  |
| 4991 | Cetirizine Sorbitol Ester Impurity                  | VS-C064020 | 13848888-64-5 |
| 4992 | Cetirizine Lactose Ester                            | VS-C064021 | N/A           |
| 4993 | Cetirizine Glycerol Ester                           | VS-C064022 | 1243652-36-9  |
| 4994 | Propylene Glycol Ester of Cetirizine Diastereomer 1 | VS-C064023 | N/A           |
| 4995 | Propylene Glycol Ester of Cetirizine Diastereomer 2 | VS-C064024 | N/A           |
| 4996 | Cetirizine Polyethylene Glycol                      | VS-C064025 | 1509941-93-8  |
| 4997 | Cetirizine Propanediol Ester Impurity               | VS-C064026 | N/A           |
| 4998 | Cetirizine Glycol Impurity                          | VS-C064027 | 324047-29-2   |
| 4999 | Cetirizine Impurity 2                               | VS-C064028 | 1391052-52-0  |
| 5000 | Cetirizine Impurity 3                               | VS-C064029 | 134978-97-5   |
| 5001 | Cetirizine Impurity 4                               | VS-C064030 | N/A           |
| 5002 | Cetirizine Impurity 5                               | VS-C064031 | N/A           |
| 5003 | Cetirizine Impurity 6                               | VS-C064032 | N/A           |
| 5004 | Cetirizine Impurity 7                               | VS-C064033 | 82-93-9       |
| 5005 | Cetirizine Impurity 8                               | VS-C064034 | N/A           |
| 5006 | Cetirizine Impurity 9                               | VS-C064035 | N/A           |
| 5007 | Cetirizine Impurity 10                              | VS-C064036 | 886886-04-0   |
| 5008 | Cetirizine Impurity 11                              | VS-C064037 | 942132-30-1   |
| 5009 | Cetirizine 3-Chloro                                 | VS-C064038 | 1232460-31-9  |
| 5010 | (S)-Cetirizine Dihydrochloride                      | VS-C064039 | 163837-48-7   |
| 5011 | Cetirizine Ethyl Ester                              | VS-C064040 | 246870-46-2   |

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| 5012 | Cetirizine EP Impurity G (HCl)                  | VS-C064041 | 728948-88-7  |
| 5013 | Cetirizine EP Impurity F Dihydrochloride        | VS-C064042 | 83881-54-3   |
| 5014 | Hydroxyzine Acetic Acid Dihydrochloride         | VS-C064043 | 83881-56-5   |
| 5015 | (S)-Cetirizine                                  | VS-C064044 | 130018-76-7  |
| 5016 | Cetrizine Impurity 16                           | VS-C064045 | 70558-10-0   |
| 5017 | Cetirizine Glycol Ester                         | VS-C064046 | 2705552-48-1 |
| 5018 | Cetirizine EP Impurity K                        | VS-C064047 | N/A          |
| 5019 | Cetrizine Impurity 17                           | VS-C064048 | N/A          |
| 5020 | Cetirizine Hydrochloride                        | VS-C064049 | 798544-25-9  |
| 5021 | CETIRIZINE EP IMPURITY B (Dihydrochloride Salt) | VS-C064050 | 1000690-91-4 |
| 5022 | Cetrizine Impurity 18                           | VS-C064051 | N/A          |
| 5023 | Cetorelix Acetate                               | VS-C065001 | 130143-01-0  |
| 5024 | Des-Acetyl Cetorelix                            | VS-C065002 | 121081-09-2  |
| 5025 | Cetorelix Acid                                  | VS-C065003 | N/A          |
| 5026 | Acetyl-Ser4-Cetorelix                           | VS-C065004 | N/A          |
| 5027 | Endo-Cit-Cetorelix                              | VS-C065005 | N/A          |
| 5028 | Ganirelix 1-4 peptide                           | VS-C065006 | 208599-57-9  |
| 5029 | L-Cit-Cetorelix                                 | VS-C065007 | 335158-68-4  |
| 5030 | L-Pal Cetorelix                                 | VS-C065008 | N/A          |
| 5031 | Cetorelix Impurity 1                            | VS-C065009 | N/A          |
| 5032 | Cetorelix Impurity 2                            | VS-C065010 | N/A          |
| 5033 | Cetorelix Impurity 3                            | VS-C065011 | N/A          |
| 5034 | Cetorelix Impurity 4                            | VS-C065012 | N/A          |
| 5035 | Cetorelix Impurity 5                            | VS-C065013 | N/A          |
| 5036 | Cetylpyridinium Chloride Hydrate                | VS-C066001 | 6004-24-6    |
| 5037 | Cevimeline                                      | VS-C067000 | 107233-08-9  |
| 5038 | Cevimeline HCl                                  | VS-C067001 | 107220-28-0  |
| 5039 | 3-(hydroxymethyl)quinuclidin-3-ol               | VS-C067002 | 61573-79-3   |
| 5040 | trans-Cevimeline Hydrochloride                  | VS-C067003 | 107220-29-1  |
| 5041 | Cevimeline Sulfoxide (RRS)                      | VS-C067004 | 124751-36-6  |
| 5042 | Cevimeline Sulfoxide (RRR)                      | VS-C067005 | 124751-37-7  |
| 5043 | Cevimeline N-Oxide                              | VS-C067006 | 469890-14-0  |
| 5044 | Cevimeline trityl-MCS                           | VS-C067007 | N/A          |
| 5045 | Cevimeline Sulfoxide (RRS/RRR)                  | VS-C067008 | N/A          |
| 5046 | Cevimeline Thiol Impurity                       | VS-C067009 | 107220-26-8  |
| 5047 | Cevimeline Impurity 1                           | VS-C067010 | N/A          |
| 5048 | Glycochenodeoxycholic Acid                      | VS-C068000 | 640-79-9     |
| 5049 | Chenodeoxycholic Acid EP Impurity F             | VS-C068001 | 4651-67-6    |
| 5050 | Chenodeoxycholic Acid EP Impurity G             | VS-C068002 | 10538-55-3   |
| 5051 | Taurochenodeoxycholic Acid                      | VS-C068003 | 516-35-8     |
| 5052 | Glycochenodeoxycholic Acid Sodium Salt          | VS-C068004 | 16564-43-5   |
| 5053 | Chicoric Acid                                   | VS-C069000 | 6537-80-0    |
| 5054 | Chlorambucil                                    | VS-C070000 | 305-03-3     |
| 5055 | Chlorambucil Sodium salt                        | VS-C070001 | 1030-06-4    |
| 5056 | Chlorambucil Potassium salt                     | VS-C070002 | 107602-00-6  |
| 5057 | Chlorambucil Hydrochloride                      | VS-C070003 | 3308-26-7    |
| 5058 | Chlorambucil EP Impurity A                      | VS-C070004 | 27171-89-7   |

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| 5059 | Chlorambucil EP Impurity B                             | VS-C070005 | 116505-53-4  |
| 5060 | Chlorambucil EP Impurity C                             | VS-C070006 | 2514708-69-9 |
| 5061 | Chlorambucil EP Impurity D                             | VS-C070007 | 94236-91-6   |
| 5062 | Chlorambucil EP Impurity E                             | VS-C070008 | 1988791-13-4 |
| 5063 | Chlorambucil EP Impurity F                             | VS-C070009 | N/A          |
| 5064 | Ortho Chlorambucil                                     | VS-C070010 | 178481-89-5  |
| 5065 | Meta Chlorambucil                                      | VS-C070011 | 134862-11-6  |
| 5066 | Phenylacetic acid mustard                              | VS-C070012 | 10477-72-2   |
| 5067 | Chlorambucil Methylester                               | VS-C070013 | 79481-83-7   |
| 5068 | Dihydroxy Clorambucil                                  | VS-C070014 | 34677-78-6   |
| 5069 | 3,4-Dehydro Chlorambucil                               | VS-C070015 | 73027-06-2   |
| 5070 | Methoxy Chlorambucil                                   | VS-C070016 | N/A          |
| 5071 | Ehoxy Chlorambucil                                     | VS-C070017 | N/A          |
| 5072 | Chloroehoxy Chlorambucil                               | VS-C070018 | N/A          |
| 5073 | Chlorambucil Ehylester                                 | VS-C070019 | 64977-24-8   |
| 5074 | Chlorambucil Isopropyl Ester                           | VS-C070020 | 77063-20-8   |
| 5075 | Chlorambucil N-Oxide                                   | VS-C070021 | 802610-43-1  |
| 5076 | Chlorambucil Morpholine                                | VS-C070022 | 59826-58-3   |
| 5077 | 3-Chloro Chlorambucil                                  | VS-C070023 | N/A          |
| 5078 | Chlorambucil Qudramer                                  | VS-C070024 | N/A          |
| 5079 | Chlorambucil Pentamer                                  | VS-C070025 | N/A          |
| 5080 | Chlorambucil Hexamer                                   | VS-C070026 | N/A          |
| 5081 | Chlorambucil Heptamer                                  | VS-C070027 | N/A          |
| 5082 | Chlorambucil Octomer                                   | VS-C070028 | N/A          |
| 5083 | Plamatic Acid Ester                                    | VS-C070029 | N/A          |
| 5084 | Stearic Acid Ester                                     | VS-C070030 | 112-61-8     |
| 5085 | isopropyl-4-(4-aminophenyl)butyrate                    | VS-C070031 | 94094-47-0   |
| 5086 | Isopropyl-4-[4-bis(2-hydroxyethyl)aminophenyl]butyrate | VS-C070032 | 94086-78-9   |
| 5087 | Stearic acid ester                                     | VS-C070033 | N/A          |
| 5088 | Palmitic Acid ester                                    | VS-C070034 | N/A          |
| 5089 | Chloramphenicol                                        | VS-C071000 | 56-75-7      |
| 5090 | Chloramphenicol EP Impurity A                          | VS-C071001 | 716-61-0     |
| 5091 | Chloramphenicol EP Impurity B                          | VS-C071002 | 555-16-8     |
| 5092 | Chloramphenicol Impurity 1                             | VS-C071003 | 2964-48-9    |
| 5093 | Chlorhexidine                                          | VS-C072000 | 55-56-1      |
| 5094 | Chlorhexidine Dihydrochloride                          | VS-C072001 | 3697-42-5    |
| 5095 | Chlorhexidine Diacetate                                | VS-C072002 | 56-95-1      |
| 5096 | Chlorhexidine Diacetate EP Impurity A                  | VS-C072003 | 152504-08-0  |
| 5097 | Chlorhexidine Diacetate EP Impurity B                  | VS-C072004 | 1308292-89-8 |
| 5098 | Chlorhexidine Diacetate Impurity C                     | VS-C072005 | 62247-48-7   |
| 5099 | Chlorhexidine Diacetate EP Impurity E                  | VS-C072006 | 45964-97-4   |
| 5100 | Chlorhexidine Diacetate EP Impurity F                  | VS-C072007 | 140-38-5     |
| 5101 | Chlorhexidine Diacetate EP Impurity G                  | VS-C072008 | 165678-61-5  |
| 5102 | Chlorhexidine Diacetate EP Impurity H                  | VS-C072009 | N/A          |
| 5103 | Chlorhexidine EP Impurity J                            | VS-C072010 | N/A          |
| 5104 | Chlorhexidine diacetate EP Impurity K                  | VS-C072011 | 1381962-77-1 |
| 5105 | Chlorhexidine EP Impurity L                            | VS-C072012 | 2518301-34-1 |

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| 5106 | Chlorhexidine EP Impurity M                       | VS-C072013 | 152504-12-6  |
| 5107 | Chlorhexidine EP Impurity N                       | VS-C072014 | 152504-10-4  |
| 5108 | Chlorhexidine EP Impurity O (2HCl)                | VS-C072015 | N/A          |
| 5109 | Chlorhexidine EP Impurity P                       | VS-C072016 | 106-47-8     |
| 5110 | Chlorhexidine EP Impurity O                       | VS-C072017 | 2508008-02-2 |
| 5111 | Chlorhexidine-D8 Dihydrochloride                  | VS-C072018 | 2012598-75-1 |
| 5112 | Chlorhexidine Gluconate Solution                  | VS-C073000 | 18472-51-0   |
| 5113 | Chlormadinone                                     | VS-C074000 | 1961-77-9    |
| 5114 | Chlormadinone Acetate EP Impurity I               | VS-C074001 | 4809-88-5    |
| 5115 | Chlormadinone Acetate                             | VS-C074002 | 302-22-7     |
| 5116 | Chlormadinone Acetate 3 $\beta$ -Hydroxy Impurity | VS-C074003 | 3114-44-1    |
| 5117 | Chlormadinone Acetate EP Impurity A               | VS-C074004 | 2477-73-8    |
| 5118 | Chlormadinone Acetate EP Impurity B               | VS-C074005 | N/A          |
| 5119 | Chlormadinone Acetate EP Impurity C               | VS-C074006 | N/A          |
| 5120 | Chlormadinone Acetate EP Impurity D               | VS-C074007 | 13698-49-2   |
| 5121 | Chlormadinone Acetate EP Impurity E               | VS-C074008 | 15251-04-4   |
| 5122 | Chlormadinone Acetate EP Impurity F               | VS-C074009 | 1172-82-3    |
| 5123 | Chlormadinone Acetate EP Impurity G               | VS-C074010 | 302-23-8     |
| 5124 | Chlormadinone Acetate EP Impurity H               | VS-C074011 | 1054-64-4    |
| 5125 | Chlormadinone Acetate EP Impurity K               | VS-C074012 | 425-51-4     |
| 5126 | Chlormadinone Acetate EP Impurity L               | VS-C074013 | 2658-74-4    |
| 5127 | Chlormadinone Dehydro Impurity                    | VS-C074014 | 15262-77-8   |
| 5128 | Chloroquine                                       | VS-C075000 | 54-05-7      |
| 5129 | Chloroquine Phosphate                             | VS-C075001 | 50-63-5      |
| 5130 | Hydroxy노valdiamine                                | VS-C075002 | 69559-11-1   |
| 5131 | Chloroquine N-oxide                               | VS-C075003 | 68121-48-2   |
| 5132 | Chloroquine related Compound D                    | VS-C075004 | 1476-52-4    |
| 5133 | Chlorphenamine Maleate                            | VS-C076001 | 113-92-8     |
| 5134 | Chlorphenamine EP Impurity A                      | VS-C076002 | N/A          |
| 5135 | Chlorphenamine EP Impurity B                      | VS-C076003 | 1202-34-2    |
| 5136 | Chlorphenamine EP Impurity C                      | VS-C076004 | N/A          |
| 5137 | Chlorphenamine EP Impurity D                      | VS-C076005 | 2575516-46-8 |
| 5138 | Dexchlorpheniramine EP Impurity A                 | VS-C076006 | 86-21-5      |
| 5139 | Chlorphenamine EP Impurity A Dimaleate            | VS-C076007 | N/A          |
| 5140 | Dexchlorpheniramine EP Impurity B                 | VS-C076008 | 32188-09-3   |
| 5141 | Chlorphenamine EP Impurity C Maleate              | VS-C076009 | 22630-25-7   |
| 5142 | Chlorphenamine EP Impurity D Maleate              | VS-C076010 | N/A          |
| 5143 | Chlorphenamine N-Oxide                            | VS-C076011 | 120244-82-8  |
| 5144 | Pheniramine Maleate                               | VS-C076012 | 132-20-7     |
| 5145 | Chlorphenamine di-N-Oxide                         | VS-C076013 | N/A          |
| 5146 | Didesmethyl chlorpheniramine maleate              | VS-C076014 | 23052-94-0   |
| 5147 | S-Chlorpheniramine Maleate                        | VS-C076015 | 2438-32-6    |
| 5148 | R-Chlorpheniramine Maleate                        | VS-C076016 | 23095-76-3   |
| 5149 | Dexchlorpheniramine N-Oxide                       | VS-C076017 | 142494-46-0  |
| 5150 | 2-chloro-N,N-dimethylethan-1-amine HCl            | VS-C076018 | 4584-46-7    |
| 5151 | Chlorphenamine Impurity 1                         | VS-C076019 | 688361-91-3  |
| 5152 | Chlorphenamine Impurity 2                         | VS-C076020 | N/A          |

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| 5153 | Chlorpeniramine EP Impurity A          | VS-C076021 | 1246816-57-8 |
| 5154 | Chlorpeniramine EP Impurity C          | VS-C076022 | 20619-12-9   |
| 5155 | Chlorpeniramine EP Impurity D          | VS-C076023 | 65676-21-3   |
| 5156 | Nitroso Dexchlorpheniramine maleate    | VS-C076024 | NA           |
| 5157 | N-Nitroso Chlorphenamine EP Impurity C | VS-C076025 | NA           |
| 5158 | Chlorpromazine                         | VS-C077000 | 50-53-3      |
| 5159 | Chlorpromazine Hydrochloride           | VS-C077001 | 69-09-0      |
| 5160 | Chlorpromazine EP Impurity A           | VS-C077002 | 969-99-3     |
| 5161 | Chlorpromazine EP Impurity B           | VS-C077003 | N/A          |
| 5162 | Chlorpromazine EP Impurity C           | VS-C077004 | 53-60-1      |
| 5163 | Chlorpromazine EP Impurity D           | VS-C077005 | 3953-65-9    |
| 5164 | Chlorpromazine EP Impurity E           | VS-C077006 | 92-39-7      |
| 5165 | Chlorpromazine EP Impurity F           | VS-C077007 | 72372-62-4   |
| 5166 | Chlorpromazine EP Impurity G           | VS-C077008 | 84-97-9      |
| 5167 | Chlorpromazine EP Impurity G (HCl)     | VS-C077009 | 5317-37-3    |
| 5168 | Prochlorperazine sulfoxide             | VS-C077010 | 10078-27-0   |
| 5169 | Chlorpromazine N-Oxide                 | VS-C077011 | 1672-76-0    |
| 5170 | Chlorpromazine N-Oxide Sulfoxide       | VS-C077012 | 10404-90-7   |
| 5171 | Chlorpromazine 3-Hydroxy Impurity      | VS-C077013 | 3930-47-0    |
| 5172 | Chlorpromazine 7-Hydroxy Impurity      | VS-C077014 | 2095-62-7    |
| 5173 | Di-Desmethyl Impurity                  | VS-C077015 | 2095-17-2    |
| 5174 | Bromopromazine Hydrochloride           | VS-C077016 | 15502-93-9   |
| 5175 | Chlorpromazine Impurity 1              | VS-C077017 | N/A          |
| 5176 | Chlorpromazine Impurity 2              | VS-C077018 | 18683-73-3   |
| 5177 | Chlorpromazine Impurity 3              | VS-C077019 | 2375606-72-5 |
| 5178 | Chlorpromazine Impurity 4              | VS-C077020 | N/A          |
| 5179 | Chlorpromazine HCl Impurity B          | VS-C077021 | 19077-20-4   |
| 5180 | N-Nitroso Desmethyl Chlorpromazine     | VS-C077022 | 55855-44-2   |
| 5181 | Chlorprothixene Hydrochloride          | VS-C078001 | 6469-93-8    |
| 5182 | Chlorprothixene EP Impurity A          | VS-C078002 | 4295-65-2    |
| 5183 | Chlorprothixene EP Impurity B          | VS-C078003 | 2622-24-4    |
| 5184 | Chlorprothixene EP Impurity C          | VS-C078004 | 113-59-7     |
| 5185 | Chlorprothixene EP Impurity D          | VS-C078005 | 109470-67-9  |
| 5186 | Chlorprothixene EP Impurity E          | VS-C078006 | 86-39-5      |
| 5187 | Chlorprothixene EP Impurity F          | VS-C078007 | 4546-35-4    |
| 5188 | Chlortalidone                          | VS-C079000 | 77-36-1      |
| 5189 | Chlortalidone EP Impurity A            | VS-C079001 | 345930-32-7  |
| 5190 | Chlortalidone EP Impurity B            | VS-C079002 | 5270-74-6    |
| 5191 | Chlortalidone EP Impurity C            | VS-C079003 | 92874-73-2   |
| 5192 | Chlortalidone EP Impurity D            | VS-C079004 | 1369995-36-7 |
| 5193 | Chlortalidone EP Impurity E            | VS-C079005 | 82875-49-8   |
| 5194 | Chlortalidone EP Impurity F            | VS-C079006 | 1796929-84-4 |
| 5195 | Chlortalidone EP Impurity G            | VS-C079007 | 16289-13-7   |
| 5196 | Chlortalidone EP Impurity H            | VS-C079008 | 2200280-98-2 |
| 5197 | Chlortalidone EP Impurity I            | VS-C079009 | 2514668-27-8 |
| 5198 | Chlortalidone Impurity F               | VS-C079010 | 68592-11-0   |
| 5199 | Chlortalidone Impurity J               | VS-C079011 | 956-92-3     |



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| 5200 | Chlorthalidone Methyl Ether             | VS-C079012 | 6512-76-4    |
| 5201 | 2-7 Napthaline Diol                     | VS-C079013 | 582-17-2     |
| 5202 | Chlortalidone Amino Impurity            | VS-C079014 | 118-04-7     |
| 5203 | Chlortalidone Sulfochloro Impurity      | VS-C079015 | 68592-12-1   |
| 5204 | Chlortalidone Sulfonyl Chloride Impuriy | VS-C079016 | 82875-50-1   |
| 5205 | Chlortalidone Impurity 1                | VS-C079017 | N/A          |
| 5206 | Chlortalidone Impurity 2                | VS-C079018 | 345930-31-6  |
| 5207 | Chlortalidone Impurity 3                | VS-C079019 | 1753-71-5    |
| 5208 | Chlortalidone Impurity 4                | VS-C079020 | 18805-06-6   |
| 5209 | Chlortalidone Impurity 5                | VS-C079021 | 87177-16-0   |
| 5210 | Chlorthalidone Methyl Ether             | VS-C079022 | 96512-76-4   |
| 5211 | Cholecalciferol                         | VS-C080000 | 67-97-0      |
| 5212 | 25-Hydroxy Cholecalciferol              | VS-C080001 | 19356-17-3   |
| 5213 | Cholecalciferol glucuronide             | VS-C080002 | N/A          |
| 5214 | Cholecalciferol Sulfate                 | VS-C080003 | 10529-43-8   |
| 5215 | Cholecalciferol EP Impurity A           | VS-C080004 | 22350-41-0   |
| 5216 | Cholecalciferol Impurity C              | VS-C080005 | 07-01-26     |
| 5217 | Cholecalciferol Impurity D              | VS-C080006 | 22350-43-2   |
| 5218 | Cholecalciferol Impurity E              | VS-C080007 | 17592-07-3   |
| 5219 | Pre-Vitamin D3 Octanoate                | VS-C080008 | 927822-17-1  |
| 5220 | Precalciferol Related Compound 2        | VS-C080009 | N/A          |
| 5221 | 1-alpha-Hydroxy-Precalciferol           | VS-C080010 | 41461-13-6   |
| 5222 | Ergocalciferol In house Impurity        | VS-C080011 | 42607-12-5   |
| 5223 | Pre-Vitamin D3 Decanoate                | VS-C080012 | 927822-18-2  |
| 5224 | Vitamin D3 Octanoate                    | VS-C080013 | 927822-16-0  |
| 5225 | Vitamin D3 Decanoate                    | VS-C080014 | 158180-04-2  |
| 5226 | Cholesterol                             | VS-C081000 | 57-88-5      |
| 5227 | Cholesterol EP Impurity A               | VS-C081001 | 80-99-9      |
| 5228 | Cholesterol EP Impurity B               | VS-C081002 | 313-04-2     |
| 5229 | Cholesterol EP Impurity C               | VS-C081003 | 651-54-7     |
| 5230 | Cholesterol Benzoate                    | VS-C081004 | 604-32-0     |
| 5231 | 3-beta-7-Dehydro Cholesterol            | VS-C081005 | 434-16-2     |
| 5232 | 5 $\alpha$ -Cholestan-3 $\beta$ -ol     | VS-C081006 | 80-97-7      |
| 5233 | 5 $\alpha$ -Cholestane                  | VS-C081007 | 481-21-0     |
| 5234 | Cholesterol Impurity 1                  | VS-C081008 | 15073-00-4   |
| 5235 | Cholesterol Impurity 2                  | VS-C081009 | 566-46-1     |
| 5236 | Cholesterol Impurity 3                  | VS-C081010 | 1370450-75-1 |
| 5237 | Cholesterol Impurity 4                  | VS-C081011 | 120200-37-5  |
| 5238 | Cholesterol Impurity 5                  | VS-C081012 | 104475-92-5  |
| 5239 | Cholesterol Impurity 6                  | VS-C081013 | 26654-79-5   |
| 5240 | Cholesterol Impurity 7                  | VS-C081014 | 26654-78-4   |
| 5241 | Cholesterol Impurity 8                  | VS-C081015 | 26358-75-8   |
| 5242 | Cholesterol Impurity 9                  | VS-C081016 | 63908-96-3   |
| 5243 | Cholesterol Impurity 10                 | VS-C081017 | 133587-03-8  |
| 5244 | Cibenzoline                             | VS-C082000 | 53267-01-9   |
| 5245 | Cibenzoline Impurity 1                  | VS-C082001 | 109546-07-8  |
| 5246 | Ciclesonide                             | VS-C083000 | 126544-47-6  |

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| 5247 | Ciclesonide EP Impurity A           | VS-C083001 | 141845-81-0  |
| 5248 | Ciclesonide EP Impurity B           | VS-C083002 | 161115-59-9  |
| 5249 | Ciclesonide EP Impurity C           | VS-C083003 | N/A          |
| 5250 | Ciclesonide Impurity 1              | VS-C083004 | N/A          |
| 5251 | CICLESONIDE 4 -DM (NMT 0.10%)       | VS-C083005 | N/A          |
| 5252 | CICLESONIDE Alcohol 3TR (NMT 0.10%) | VS-C083006 | N/A          |
| 5253 | CICLESONIDE Delta 8 3TR (NMT 0.10%) | VS-C083007 | N/A          |
| 5254 | Ciclopirox                          | VS-C084000 | 29342-05-0   |
| 5255 | Ciclopirox EP Impurity A            | VS-C084001 | 1823487-53-1 |
| 5256 | Ciclopirox EP Impurity B            | VS-C084002 | 14818-35-0   |
| 5257 | Ciclopirox EP Impurity C            | VS-C084003 | 67587-24-0   |
| 5258 | Cidofovir                           | VS-C085000 | 149394-66-1  |
| 5259 | Cidofovir Bromo Impurity            | VS-C085001 | N/A          |
| 5260 | Cidofovir USP Related Compound A    | VS-C085002 | 1312776-50-3 |
| 5261 | Cidofovir USP Related Compound B    | VS-C085003 | 120362-35-8  |
| 5262 | Cidofovir Uracil Analog             | VS-C085004 | 116558-96-4  |
| 5263 | Cidofovir Impurity 1                | VS-C085005 | N/A          |
| 5264 | Cidofovir Impurity 2                | VS-C085006 | 133868-60-7  |
| 5265 | Cidofovir Impurity 3                | VS-C085007 | N/A          |
| 5266 | Cidofovir Impurity 4                | VS-C085008 | N/A          |
| 5267 | Cilastatin                          | VS-C086000 | 82009-34-5   |
| 5268 | Cilastatin Ammonium Salt            | VS-C086001 | 877674-82-3  |
| 5269 | Cilastatin enantiomer               | VS-C086002 | 107873-05-2  |
| 5270 | Cilastatin Sodium                   | VS-C086003 | 81129-83-1   |
| 5271 | Cilastatin EP Impurity A            | VS-C086004 | N/A          |
| 5272 | Cilastatin EP Impurity B            | VS-C086005 | N/A          |
| 5273 | Cilastatin EP Impurity C            | VS-C086006 | N/A          |
| 5274 | Cilastatin EP Impurity D            | VS-C086007 | 141-79-7     |
| 5275 | Cilastatin EP Impurity E            | VS-C086008 | 1174657-07-8 |
| 5276 | Cilastatin EP Impurity F            | VS-C086009 | N/A          |
| 5277 | Cilastatin EP Impurity G            | VS-C086010 | N/A          |
| 5278 | Cilastatin EP Impurity H            | VS-C086011 | N/A          |
| 5279 | Cilastatin Impurity 1               | VS-C086012 | 877674-77-6  |
| 5280 | Cilastatin Impurity 2               | VS-C086013 | N/A          |
| 5281 | Cilastatin Impurity 3               | VS-C086014 | N/A          |
| 5282 | Cilastatin Impurity 4               | VS-C086015 | N/A          |
| 5283 | Cilazapril Monohydrate              | VS-C087001 | 92077-78-6   |
| 5284 | Cilazapril EP Impurity A            | VS-C087002 | 106860-19-9  |
| 5285 | Cilazapril EP Impurity B            | VS-C087003 | 90139-06-3   |
| 5286 | Cilazapril EP Impurity C            | VS-C087004 | 1905397-51-4 |
| 5287 | Cilazapril EP Impurity D            | VS-C087005 | 106928-09-0  |
| 5288 | Cilnidipine                         | VS-C088000 | 132203-70-4  |
| 5289 | Z-Cilnidipine                       | VS-C088001 | 146924-45-0  |
| 5290 | Dehydro Cilnidipine                 | VS-C088002 | 146845-34-3  |
| 5291 | Z-Dehydro Cilnidipine               | VS-C088003 | 146845-35-4  |
| 5292 | Cilnidipine Impurity V              | VS-C088004 | 1974323-07-3 |
| 5293 | Cilnidipine Impurity 1              | VS-C088005 | 70172-96-2   |

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| 5294 | Cilnidipine Impurity 2                     | VS-C088006 | N/A          |
| 5295 | Cilnidipine Impurity 3                     | VS-C088007 | 123853-41-8  |
| 5296 | Cilnidipine Impurity 4                     | VS-C088008 | 74936-76-8   |
| 5297 | Cilnidipine Impurity 5                     | VS-C088009 | 5349-99-5    |
| 5298 | Cilnidipine Impurity 6                     | VS-C088010 | 68077-28-1   |
| 5299 | Cilostazol                                 | VS-C089000 | 73963-72-1   |
| 5300 | Cilostazol USP Related Compound A          | VS-C089001 | 54197-66-9   |
| 5301 | Cilostazol USP Related Compound B          | VS-C089002 | 73963-62-9   |
| 5302 | Cilostazol USP Related Compound C          | VS-C089003 | 865792-18-3  |
| 5303 | Cilostazol Impurity 1                      | VS-C089004 | 73963-42-5   |
| 5304 | Cilostazol Impurity 2                      | VS-C089005 | 934533-79-6  |
| 5305 | Cilostazol Impurity 3                      | VS-C089006 | N/A          |
| 5306 | Cilostazol Impurity 4                      | VS-C089007 | N/A          |
| 5307 | Cilostazol Impurity 5                      | VS-C089008 | 72995-15-4   |
| 5308 | Cilostazol Impurity 6                      | VS-C089009 | NA           |
| 5309 | Cilostazol Impurity 7                      | VS-C089010 | 934533-78-5  |
| 5310 | Cilostazol Impurity 8                      | VS-C089011 | 15865-18-6   |
| 5311 | Cilostazol Impurity 9                      | VS-C089012 | 84996-93-0   |
| 5312 | Cilostazol Impurity 10                     | VS-C089013 | 19314-10-4   |
| 5313 | 5-(4-Azidobutyl)-1-cyclohexyl-1H-tetrazole | VS-C089014 | NA           |
| 5314 | Cilostazol Impurity 11                     | VS-C089015 | 1424857-90-8 |
| 5315 | Cimetidine                                 | VS-C090000 | 51481-61-9   |
| 5316 | Cimetidine EP Impurity A                   | VS-C090001 | 52378-40-2   |
| 5317 | Cimetidine EP Impurity A (HCl)             | VS-C090002 | 85654-57-5   |
| 5318 | Cimetidine EP Impurity B                   | VS-C090003 | 138035-55-9  |
| 5319 | Cimetidine EP Impurity C                   | VS-C090004 | 52568-80-6   |
| 5320 | Cimetidine EP Impurity D                   | VS-C090005 | 59660-24-1   |
| 5321 | Cimetidine EP Impurity E                   | VS-C090006 | 54237-72-8   |
| 5322 | Cimetidine EP Impurity F                   | VS-C090007 | 55272-86-1   |
| 5323 | Cimetidine EP Impurity G                   | VS-C090008 | 1609-06-9    |
| 5324 | Cimetidine EP Impurity H                   | VS-C090009 | 74886-59-2   |
| 5325 | Cimetidine EP Impurity I                   | VS-C090010 | 38603-74-6   |
| 5326 | Cimetidine EP Impurity J                   | VS-C090011 | 38603-72-4   |
| 5327 | Cimetidine Impurity 1                      | VS-C090012 | 182685-55-8  |
| 5328 | Cimetidine Impurity 2                      | VS-C090013 | N/A          |
| 5329 | Cimetidine Impurity 3                      | VS-C090014 | 29636-87-1   |
| 5330 | Cimetidine Impurity D                      | VS-C090015 | 70172-53-1   |
| 5331 | Cimetidine Impurity G (HCl)                | VS-C090016 | 31857-31-5   |
| 5332 | Cinacalcet                                 | VS-C091000 | 226256-56-0  |
| 5333 | Cinacalcet HCl                             | VS-C091001 | 364782-34-3  |
| 5334 | Cinacalcet USP RC A                        | VS-C091002 | 21172-43-0   |
| 5335 | Cinacalcet USP RC B                        | VS-C091003 | N/A          |
| 5336 | Cinacalcet USP RC C                        | VS-C091004 | 1428118-39-1 |
| 5337 | Cinacalcet USP RC D                        | VS-C091005 | 1217809-88-5 |
| 5338 | Cinacalcet USP RC E                        | VS-C091006 | 78573-45-2   |
| 5339 | Cinacalcet Impurity A                      | VS-C091007 | 82572-04-1   |
| 5340 | Cinacalcet Impurity B                      | VS-C091008 | 163831-65-0  |

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| 5341 | Cinacalcet Impurity C                | VS-C091009 | 1207533-91-2 |
| 5342 | Cinacalcet Impurity E                | VS-C091010 | 2705511-09-5 |
| 5343 | Cinacalcet Impurity F                | VS-C091011 | N/A          |
| 5344 | Cinacalcet 5,6-Dihydro Racemate Base | VS-C091012 | 802918-47-4  |
| 5345 | Cinacalcet 7,8-Dihydro Racemate Base | VS-C091013 | 802918-46-3  |
| 5346 | Cinacalcet N-Oxide                   | VS-C091014 | 1229224-94-5 |
| 5347 | 3-[1-(Dimethylamino)ethyl]phenol     | VS-C091015 | 5441-61-2    |
| 5348 | Cinacalcet Hydroxy Impurity          | VS-C091016 | N/A          |
| 5349 | Dehydro Cinacalcet Hydrochloride     | VS-C091017 | 955373-56-5  |
| 5350 | Cinacalcet Impurity 1                | VS-C091018 | 104774-93-8  |
| 5351 | Cinacalcet Impurity 2(Z)             | VS-C091019 | 100485-59-4  |
| 5352 | Cinacalcet Impurity 3                | VS-C091020 | 1517-72-2    |
| 5353 | Cinacalcet Impurity 4                | VS-C091021 | 7228-47-9    |
| 5354 | Cinacalcet Impurity 5(E)             | VS-C091022 | 100485-51-6  |
| 5355 | Cinacalcet Impurity 6                | VS-C091023 | 941-98-0     |
| 5356 | Cinacalcet Impurity 7                | VS-C091024 | 585-50-2     |
| 5357 | Cinacalcet Impurity 8                | VS-C091025 | 67801-07-4   |
| 5358 | Cinacalcet Impurity 9                | VS-C091026 | 41917-83-3   |
| 5359 | Cinacalcet Impurity 10               | VS-C091027 | 123486-66-8  |
| 5360 | Cinacalcet Impurity 11               | VS-C091028 | 254437-97-3  |
| 5361 | Cinacalcet Impurity 12               | VS-C091029 | 254437-90-6  |
| 5362 | Cinacalcet Impurity 13               | VS-C091030 | 1956-40-7    |
| 5363 | Cinacalcet Impurity 14               | VS-C091031 | 1224568-02-8 |
| 5364 | Cinacalcet Impurity 15               | VS-C091032 | 226256-56-0  |
| 5365 | Cinacalcet Impurity 16               | VS-C091033 | 1431699-53-4 |
| 5366 | Cinacalcet Impurity 17               | VS-C091034 | 2200269-28-7 |
| 5367 | Cinacalcet Impurity 18               | VS-C091035 | 1622173-74-3 |
| 5368 | Cinacalcet Impurity 20               | VS-C091036 | 21172-41-8   |
| 5369 | Cinacalcet Impurity 21               | VS-C091037 | 70311-33-0   |
| 5370 | Cinacalcet Impurity 22               | VS-C091038 | 779-89-5     |
| 5371 | Cinacalcet Impurity 23               | VS-C091039 | 454-89-7     |
| 5372 | Cinacalcet Impurity 24               | VS-C091040 | 376641-58-6  |
| 5373 | Cinacalcet Impurity 25               | VS-C091041 | 166947-09-7  |
| 5374 | Cinacalcet Impurity 26               | VS-C091042 | 42882-31-5   |
| 5375 | Cinacalcet Impurity 27               | VS-C091043 | 10420-89-0   |
| 5376 | Cinacalcet Impurity 28               | VS-C091044 | 1201-74-7    |
| 5377 | Cinacalcet Impurity 29               | VS-C091045 | 15297-33-3   |
| 5378 | Cinacalcet Impurity 30               | VS-C091046 | 1344557-18-1 |
| 5379 | Cinacalcet Impurity 31               | VS-C091047 | 1005450-55-4 |
| 5380 | Cinacalcet Impurity 32               | VS-C091048 | 802918-35-0  |
| 5381 | Cinacalcet Impurity 33               | VS-C091049 | 802918-36-1  |
| 5382 | Cinacalcet Impurity 34               | VS-C091050 | 2059891-96-0 |
| 5383 | Cinacalcet Impurity 35               | VS-C091051 | 2059891-97-1 |
| 5384 | Cinacalcet Impurity 36               | VS-C091052 | 1229225-42-6 |
| 5385 | Cinacalcet Impurity 37               | VS-C091053 | 938177-81-2  |
| 5386 | Cinacalcet Impurity 38               | VS-C091054 | N/A          |
| 5387 | Cinacalcet Impurity 39               | VS-C091055 | N/A          |

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| 5388 | Cinacalcet Impurity 40                  | VS-C091056 | 113048-68-3  |
| 5389 | Cinacalcet Impurity 41                  | VS-C091057 | 1025064-41-8 |
| 5390 | Cinacalcet Impurity 42                  | VS-C091058 | N/A          |
| 5391 | N-Nitroso-Cinacalcet                    | VS-C091059 | N/A          |
| 5392 | Cinacalcet Impurity 44                  | VS-C091060 | 129254-76-8  |
| 5393 | Cinacalcet Impurity 46                  | VS-C091061 | N/A          |
| 5394 | Cinacalcet Impurity D                   | VS-C091062 | 1271930-15-4 |
| 5395 | Cinacalcet Impurity 47                  | VS-C091063 | 955371-05-8  |
| 5396 | Cinacalcet Impurity 48                  | VS-C091064 | 2074615-22-6 |
| 5397 | Cinacalcet Impurity 49                  | VS-C091065 | 3886-70-2    |
| 5398 | Cinacalcet Impurity-G                   | VS-C091066 | 694495-47-1  |
| 5399 | Cinacalcet Impurity-L                   | VS-C091067 | NA           |
| 5400 | Cinacalcet Impurity-J                   | VS-C091068 | NA           |
| 5401 | Cinacalcet Impurity-I                   | VS-C091069 | NA           |
| 5402 | Cinchocaine HCl                         | VS-C092001 | 61-12-1      |
| 5403 | Cinchocaine EP Impurity A               | VS-C092002 | 87864-14-0   |
| 5404 | Cinchocaine EP Impurity B               | VS-C092003 | 15733-89-8   |
| 5405 | Cinchocaine EP Impurity C               | VS-C092004 | 87864-08-2   |
| 5406 | Cinchocaine EP Impurity D               | VS-C092005 | 10222-61-4   |
| 5407 | Cinchonidine Sulphate                   | VS-C093001 | 5949-16-6    |
| 5408 | 10-11-Didehydrocinchonidine             | VS-C093002 | N/A          |
| 5409 | Cinchonidine Impurity 1                 | VS-C093003 | 157253-80-0  |
| 5410 | 10,11-Dihydrocinchonidine               | VS-C093004 | 485-64-3     |
| 5411 | Cinnarizine                             | VS-C094000 | 298-57-7     |
| 5412 | Cinnarizine EP Impurity A               | VS-C094001 | 841-77-0     |
| 5413 | Cinnarizine EP Impurity B               | VS-C094002 | 750512-44-8  |
| 5414 | Cinnarizine EP Impurity C               | VS-C094003 | N/A          |
| 5415 | Cinnarizine EP Impurity D               | VS-C094004 | 1199751-98-8 |
| 5416 | Cinnarizine EP Impurity E               | VS-C094005 | 216581-01-0  |
| 5417 | Ciprofibrate                            | VS-C095000 | 52214-84-3   |
| 5418 | Ciprofibrate EP Impurity A              | VS-C095001 | 1474058-89-3 |
| 5419 | Ciprofibrate EP Impurity B              | VS-C095002 | 52179-26-7   |
| 5420 | Ciprofibrate EP Impurity C              | VS-C095003 | N/A          |
| 5421 | Ciprofibrate EP Impurity D              | VS-C095004 | 130232-51-8  |
| 5422 | Ciprofibrate EP Impurity E              | VS-C095005 | 52179-28-9   |
| 5423 | Ciprofloxacin                           | VS-C096000 | 85721-33-1   |
| 5424 | Ciprofloxacin Hydrochloride             | VS-C096001 | 93107-08-5   |
| 5425 | Ciprofloxacin Hydrochloride Monohydrate | VS-C096002 | 86393-32-0   |
| 5426 | Ciprofloxacin EP Impurity A             | VS-C096003 | 86393-33-1   |
| 5427 | Ciprofloxacin EP Impurity B             | VS-C096004 | 93107-11-0   |
| 5428 | Ciprofloxacin EP Impurity C             | VS-C096005 | 528851-31-2  |
| 5429 | Ciprofloxacin EP Impurity D             | VS-C096006 | 133210-96-5  |
| 5430 | Ciprofloxacin EP Impurity D (TFA salt)  | VS-C096007 | N/A          |
| 5431 | Ciprofloxacin EP Impurity E             | VS-C096008 | 105394-83-0  |
| 5432 | Ciprofloxacin EP Impurity F             | VS-C096009 | 226903-07-7  |
| 5433 | Ciprofloxacin Impurity I                | VS-C096010 | 528851-30-1  |
| 5434 | N-Ethoxycarbonyl-ciprofloxacin          | VS-C096011 | 93594-29-7   |

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| 5435 | Chloro Analog Acid                    | VS-C096012 | 93107-31-4   |
| 5436 | Ciprofloxacin EP Impurity G           | VS-C096013 | 93106-58-2   |
| 5437 | Formyl Ciprofloxacin                  | VS-C096014 | 93594-39-9   |
| 5438 | Ciprofloxacin Impurity 1              | VS-C096015 | 54132-35-3   |
| 5439 | Ciprofloxacin Impurity 2              | VS-C096016 | N/A          |
| 5440 | Ciprofloxacin Impurity 3              | VS-C096017 | N/A          |
| 5441 | Ciprofloxacin Impurity 4              | VS-C096018 | N/A          |
| 5442 | Ciprofloxacin Impurity 5              | VS-C096019 | N/A          |
| 5443 | Ciprofloxacin Impurity 6              | VS-C096020 | 105392-20-9  |
| 5444 | Ciprofloxacin Impurity D (HCl)        | VS-C096021 | 526204-10-4  |
| 5445 | Ciprofloxacin Lactate                 | VS-C096022 | 97867-33-9   |
| 5446 | Ciprofloxacin Methyl Ester            | VS-C096023 | 104599-90-8  |
| 5447 | Ciprofloxacin Ethyl Ester             | VS-C096024 | 105404-65-7  |
| 5448 | Ciprofloxacin IMP 1 HCL               | VS-C096025 | N/A          |
| 5449 | N-Nitroso Ciprofloxacin               | VS-C096026 | 864443-44-7  |
| 5450 | Ciprofloxacin Impurity 7              | VS-C096027 | 86483-54-7   |
| 5451 | N-Nitroso Ciprofloxacin EP Impurity C | VS-C096028 | N/A          |
| 5452 | Cisapride                             | VS-C097000 | 81098-60-4   |
| 5453 | Cisapride Impurity 1                  | VS-C097001 | 104860-64-2  |
| 5454 | Cisapride Impurity 2                  | VS-C097002 | N/A          |
| 5455 | Cisapride Impurity 3                  | VS-C097003 | 137472-65-2  |
| 5456 | Cisapride Impurity 4                  | VS-C097004 | 86718-76-5   |
| 5457 | Cisapride Impurity 5                  | VS-C097005 | 102671-04-5  |
| 5458 | Cisatracurium                         | VS-C098000 | 96946-41-7   |
| 5459 | Cisatracurium Chloride                | VS-C098001 | N/A          |
| 5460 | Cisatracurium Besylate                | VS-C098002 | 96946-42-8   |
| 5461 | Cisatracurium EP Impurity A           | VS-C098003 | 1075727-04-6 |
| 5462 | Cisatracurium EP Impurity A Iodide    | VS-C098004 | 1075727-07-9 |
| 5463 | Cisatracurium EP Impurity B           | VS-C098005 | 732929-47-4  |
| 5464 | Cisatracurium EP Impurity B Iodide    | VS-C098006 | 41431-32-7   |
| 5465 | Cisatracurium EP Impurity C           | VS-C098007 | 85-63-2      |
| 5466 | Cisatracurium EP Impurity D           | VS-C098008 | 1075726-87-2 |
| 5467 | Cisatracurium EP Impurity D Chloride  | VS-C098009 | N/A          |
| 5468 | Cisatracurium EP Impurity D Iodide    | VS-C098010 | 1075726-91-8 |
| 5469 | Cisatracurium EP Impurity E           | VS-C098011 | N/A          |
| 5470 | Cisatracurium EP Impurity F           | VS-C098012 | N/A          |
| 5471 | Cisatracurium EP Impurity H           | VS-C098013 | 96946-43-9   |
| 5472 | Cisatracurium EP Impurity I           | VS-C098014 | 1193104-81-2 |
| 5473 | Cisatracurium EP Impurity K           | VS-C098015 | 1193104-79-8 |
| 5474 | Cisatracurium EP Impurity L           | VS-C098016 | N/A          |
| 5475 | Cisatracurium EP Impurity M           | VS-C098017 | 1193104-84-5 |
| 5476 | Cisatracurium EP Impurity N           | VS-C098018 | N/A          |
| 5477 | Cisatracurium EP Impurity O           | VS-C098019 | N/A          |
| 5478 | Cisatracurium EP Impurity P           | VS-C098020 | N/A          |
| 5479 | Cisatracurium EP Impurity Q           | VS-C098021 | N/A          |
| 5480 | Cisatracurium EP Impurity R           | VS-C098022 | 64228-84-8   |
| 5481 | Cisatracurium EP Impurity S           | VS-C098023 | N/A          |

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| 5482 | Cisatracurium EP Impurity T             | VS-C098024 | N/A          |
| 5483 | Cisatracurium EP Impurity U             | VS-C098025 | N/A          |
| 5484 | Cisatracurium EP Impurity V             | VS-C098026 | N/A          |
| 5485 | Cisatracurium EP Impurity W             | VS-C098027 | N/A          |
| 5486 | Cisatracurium Impurity T + V            | VS-C098028 | N/A          |
| 5487 | (R-trans, R'-trans)-Atracurium          | VS-C098029 | N/A          |
| 5488 | Cisatracurium Besylate EP Impurity H    | VS-C098030 | 96946-44-0   |
| 5489 | Cisatracurium Besylate EP Impurity I    | VS-C098031 | 1193104-82-3 |
| 5490 | Cisatracurium Besylate EP Impurity K    | VS-C098032 | 1193104-80-1 |
| 5491 | Cisatracurium Besylate EP Impurity L    | VS-C098033 | N/A          |
| 5492 | Cisatracurium Besylate EP Impurity M    | VS-C098034 | 1193104-85-6 |
| 5493 | Cisatracurium Besylate EP Impurity N    | VS-C098035 | N/A          |
| 5494 | Cisatracurium Besylate Impurity O       | VS-C098036 | 155913-31-8  |
| 5495 | Cisatracurium Besylate EP Impurity P    | VS-C098037 | N/A          |
| 5496 | Cisatracurium Besylate EP Impurity Q    | VS-C098038 | N/A          |
| 5497 | Cisatracurium Besylate EP Impurity R    | VS-C098039 | 1253910-09-6 |
| 5498 | Cisatracurium Impurity 1                | VS-C098040 | N/A          |
| 5499 | Cisplatin                               | VS-C099000 | 15663-27-1   |
| 5500 | Cisplatin EP Impurity A                 | VS-C099001 | 14913-33-8   |
| 5501 | Cisplatin EP Impurity B                 | VS-C099002 | 17632-41-6   |
| 5502 | Cisplatin EP Impurity C                 | VS-C099003 | 13965-91-8   |
| 5503 | Cis-diiododiammineplatinum              | VS-C099004 | 15978-93-5   |
| 5504 | Cisplatin Impurity 1                    | VS-C099005 | 53861-42-0   |
| 5505 | Cisplatin Impurity 2                    | VS-C099006 | 44046-65-3   |
| 5506 | Cisplatin Impurity 3                    | VS-C099007 | 13820-91-2   |
| 5507 | Cisplatin Impurity 5                    | VS-C099008 | 62048-57-1   |
| 5508 | Citalopram                              | VS-C100000 | 59729-33-8   |
| 5509 | Citalopram HBr                          | VS-C100001 | 59729-32-7   |
| 5510 | Citalopram EP Impurity A                | VS-C100002 | 64372-56-1   |
| 5511 | Citalopram EP Impurity B                | VS-C100003 | 411221-53-9  |
| 5512 | Citalopram EP Impurity C                | VS-C100004 | 372941-54-3  |
| 5513 | Citalopram EP Impurity D                | VS-C100005 | 97743-99-2   |
| 5514 | Citalopram EP Impurity E                | VS-C100006 | 1332724-08-9 |
| 5515 | Citalopram EP Impurity F (Oxalate salt) | VS-C100007 | 64372-43-6   |
| 5516 | Citalopram EP Impurity G                | VS-C100008 | 1329745-98-3 |
| 5517 | Citalopram RC B Oxalate Salt            | VS-C100009 | 1332724-03-4 |
| 5518 | Citalopram RC C Oxalate Salt            | VS-C100010 | 1440961-11-4 |
| 5519 | Citalopram RC D Hbr Salt                | VS-C100011 | 1188264-72-3 |
| 5520 | Citalopram RC E HCl Salt                | VS-C100012 | 62498-71-9   |
| 5521 | Citalopram USP RC E                     | VS-C100013 | 63284-72-0   |
| 5522 | Citalopram USP RC F                     | VS-C100014 | 55011-89-7   |
| 5523 | (R)-Citalopram oxalate                  | VS-C100015 | 219861-53-7  |
| 5524 | Citalopram S-Isomer                     | VS-C100016 | 219861-08-2  |
| 5525 | Citalopram Didesmethyl Metabolite       | VS-C100017 | 1189694-81-2 |
| 5526 | Citalopram Dihydroxy Impurity           | VS-C100018 | 103146-26-5  |
| 5527 | Citalopram Carboxylic Acid Impurity     | VS-C100019 | 440121-09-5  |
| 5528 | Citalopram Alkene Dimer                 | VS-C100020 | 1370643-27-8 |

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| 5529 | Citalopram Related Compound H                       | VS-C100021 | 479065-02-6  |
| 5530 | Desfluorocitalopram                                 | VS-C100022 | 1026009-77-7 |
| 5531 | 5-aminophtalane                                     | VS-C100023 | 65399-05-5   |
| 5532 | Citalopram Amino compound                           | VS-C100024 | 3676-85-5    |
| 5533 | Citalopram Nitro Compound                           | VS-C100025 | 89-40-7      |
| 5534 | Citalopram 5-Cyano-phthalane                        | VS-C100026 | 82104-74-3   |
| 5535 | Citalopram Addition product                         | VS-C100027 | 717133-25-0  |
| 5536 | 3- chloro N, N-dimethylpropan-1-amine hydrochloride | VS-C100028 | 05-04-07     |
| 5537 | 1-Bromo-4-fluorobenzene                             | VS-C100029 | 460-00-4     |
| 5538 | Fluorobenzene                                       | VS-C100030 | 462-06-6     |
| 5539 | Ethyl p-tosylate                                    | VS-C100031 | 80-40-0      |
| 5540 | Citalopram Diol-Desfluoro Impurity                  | VS-C100032 | 1187671-15-3 |
| 5541 | Citalopram R-Isomer                                 | VS-C100033 | 128196-02-1  |
| 5542 | Citalopram Descyano Impurity                        | VS-C100034 | 390817-87-5  |
| 5543 | Citalopram Impurity 16                              | VS-C100035 | 1217846-84-8 |
| 5544 | Citalopram Impurity 17                              | VS-C100036 | N/A          |
| 5545 | Citalopram Impurity 18                              | VS-C100037 | 1370643-23-4 |
| 5546 | Citalopram Impurity 19                              | VS-C100038 | 1470362-85-6 |
| 5547 | rac Desfluoro Citalopram Oxalate                    | VS-C100039 | 1093072-86-6 |
| 5548 | (S)-Didemethyl Citalopram                           | VS-C100040 | 166037-78-1  |
| 5549 | Citalopram EP Impurity F                            | VS-C100041 | 64169-39-7   |
| 5550 | N-Nitroso Escitalopram EP Impurity D                | VS-C100042 | NA           |
| 5551 | citalopram Nitroso Impurity 1                       | VS-C100043 | 64091-91-4   |
| 5552 | Citicoline Sodium                                   | VS-C101001 | 33818-15-4   |
| 5553 | Citicoline IP Impurity A                            | VS-C101002 | 3416-25-9    |
| 5554 | Citicoline IP Impurity B                            | VS-C101003 | 63-37-6      |
| 5555 | Citicoline IP Impurity C                            | VS-C101004 | 52448-10-9   |
| 5556 | Citicoline IP Impurity D                            | VS-C101005 | 76742-17-1   |
| 5557 | Uridine Diphosphate Choline                         | VS-C101006 | 99492-83-8   |
| 5558 | Desmethyl Citicoline Sodium                         | VS-C101007 | 119629-11-7  |
| 5559 | Citicoline                                          | VS-C101008 | 987-78-0     |
| 5560 | Cladribine                                          | VS-C102000 | 4291-63-8    |
| 5561 | Cladribine EP Impurity A                            | VS-C102001 | 4546-70-7    |
| 5562 | Cladribine EP Impurity B                            | VS-C102002 | 24757-70-8   |
| 5563 | Cladribine EP Impurity D                            | VS-C102003 | 5542-92-7    |
| 5564 | Cladribine EP Impurity E                            | VS-C102004 | 1831121-84-6 |
| 5565 | Cladribine EP Impurity F                            | VS-C102005 | 619-55-6     |
| 5566 | Cladribine EP Impurity G                            | VS-C102006 | 99-75-2      |
| 5567 | Cladribine Mono Benzoate Impurity                   | VS-C102007 | 152463-98-4  |
| 5568 | Cladribine Impurity 1                               | VS-C102008 | 172792-37-9  |
| 5569 | Cladribine Impurity 2                               | VS-C102009 | 3413-66-9    |
| 5570 | 2'-Deoxyadenosine                                   | VS-C102010 | 958-09-8     |
| 5571 | Cladribine EP Impurity C                            | VS-C102011 | 1839-18-5    |
| 5572 | Clarithromycin                                      | VS-C103000 | 81103-11-9   |
| 5573 | Clarithromycin EP Impurity A                        | VS-C103001 | 124412-58-4  |
| 5574 | Clarithromycin EP Impurity B                        | VS-C103002 | 299409-85-1  |
| 5575 | Clarithromycin EP Impurity C                        | VS-C103003 | 127253-06-9  |



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| 5576 | Clarithromycin EP Impurity D                        | VS-C103004 | 101666-68-6  |
| 5577 | Clarithromycin EP Impurity E                        | VS-C103005 | 81103-14-2   |
| 5578 | Clarithromycin EP Impurity F                        | VS-C103006 | 128940-83-0  |
| 5579 | Clarithromycin EP Impurity G                        | VS-C103007 | 127182-44-9  |
| 5580 | Clarithromycin EP Impurity H                        | VS-C103008 | 127140-69-6  |
| 5581 | Clarithromycin EP Impurity I                        | VS-C103009 | 118058-74-5  |
| 5582 | Clarithromycin EP Impurity J                        | VS-C103010 | 13127-18-9   |
| 5583 | Clarithromycin EP Impurity K                        | VS-C103011 | 127157-35-1  |
| 5584 | Clarithromycin EP Impurity L                        | VS-C103012 | 127253-05-8  |
| 5585 | Clarithromycin EP Impurity M                        | VS-C103013 | 127182-43-8  |
| 5586 | Clarithromycin EP Impurity N                        | VS-C103014 | 144604-03-5  |
| 5587 | Clarithromycin EP Impurity P                        | VS-C103015 | 123967-58-8  |
| 5588 | Clarithromycin EP Impurity Q                        | VS-C103016 | 118074-07-0  |
| 5589 | Clarithromycin EP Impurity R                        | VS-C103017 | 992-62-1     |
| 5590 | Clarithromycin EP Impurity O                        | VS-C103018 | 127252-80-6  |
| 5591 | Clarithromycin Impurity 1                           | VS-C103019 | 2376120-29-3 |
| 5592 | N-Nitroso-N-Desmethyl-Clarithromycin                | VS-C103020 | NA           |
| 5593 | Clavulanate Potassium                               | VS-C104001 | 61177-45-5   |
| 5594 | Clavulanate Potassium EP Impurity A                 | VS-C104002 | 4744-51-8    |
| 5595 | Clavulanate Potassium EP Impurity B (Sodium - Salt) | VS-C104003 | N/A          |
| 5596 | Clavulanate Potassium EP Impurity C                 | VS-C104004 | 86917-74-0   |
| 5597 | Clavulanate Potassium EP Impurity D                 | VS-C104005 | 404839-11-8  |
| 5598 | Clavulanate Potassium EP Impurity E                 | VS-C104006 | 1260617-10-4 |
| 5599 | Clavulanate Potassium EP Impurity F                 | VS-C104007 | 1260857-16-6 |
| 5600 | Clavulanate Potassium EP Impurity G                 | VS-C104008 | 374816-32-7  |
| 5601 | Clavulanate Potassium EP Impurity H                 | VS-C104009 | 75-64-9      |
| 5602 | Clavulanate Potassium EP Impurity J                 | VS-C104010 | 110-18-9     |
| 5603 | Clavulanate Potassium EP Impurity K                 | VS-C104011 | 107-45-9     |
| 5604 | Clavulanate Potassium EP Impurity L                 | VS-C104012 | 4013-94-9    |
| 5605 | Clavulanate Potassium EP Impurity M                 | VS-C104013 | 3033-62-3    |
| 5606 | Clavulanate Potassium EP Impurity A                 | VS-C104014 | N/A          |
| 5607 | Clavulanate Potassium EP Impurity G                 | VS-C104015 | 1260610-91-0 |
| 5608 | Clavulanate Potassium EP Impurity H                 | VS-C104016 | 2196185-67-6 |
| 5609 | Potassium Clavulanate                               | VS-C104017 | 58001-44-8   |
| 5610 | 1-Amino-4-hydroxy-2-butanone HCl                    | VS-C104018 | 87395-84-4   |
| 5611 | N,N-Dimethylethylamine                              | VS-C104019 | 598-56-1     |
| 5612 | Clavulanate Potassium EP Impurity B                 | VS-C104020 | 212268-81-0  |
| 5613 | Lithium Clavulanate                                 | VS-C104021 | 61177-44-4   |
| 5614 | Clavulanate Potassium EP Impurity B                 | VS-C104022 | 96681-85-5   |
| 5615 | Clemastine Fumarate                                 | VS-C105001 | 14976-57-9   |
| 5616 | Clemastine EP Impurity A                            | VS-C105002 | 108825-05-4  |
| 5617 | Clemastine EP Impurity B                            | VS-C105003 | 1352549-49-5 |
| 5618 | Clemastine EP Impurity C                            | VS-C105004 | 59767-24-7   |
| 5619 | Clevidipine                                         | VS-C106000 | 167221-71-8  |
| 5620 | Clevidipine Impurity A                              | VS-C106001 | 123853-39-4  |
| 5621 | Clevidipine Impurity B                              | VS-C106002 | 91189-59-2   |
| 5622 | Clevidipine Impurity D                              | VS-C106003 | 105383-68-4  |

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| 5623 | Clevidipine Impurity E                          | VS-C106004 | 188649-48-1  |
| 5624 | Clevidipine Impurity F                          | VS-C106005 | 253597-19-2  |
| 5625 | clevidipine diacid impurity                     | VS-C106006 | 138279-32-0  |
| 5626 | Clidinium Bromide                               | VS-C107000 | 3485-62-9    |
| 5627 | Clidinium Bromide Related Compound A            | VS-C107001 | 76201-95-1   |
| 5628 | Methyl benzilate                                | VS-C107002 | 76-89-1      |
| 5629 | Clidinium Bromide Impurity 1                    | VS-C107003 | 29125-54-0   |
| 5630 | Clindamycin Phosphate                           | VS-C108001 | 24729-96-2   |
| 5631 | Clindamycin Sulfoxide                           | VS-C108002 | 22431-46-5   |
| 5632 | Clindamycin Impurity B                          | VS-C108003 | 18323-43-8   |
| 5633 | Clindamycin Impurity C                          | VS-C108004 | 16684-06-3   |
| 5634 | Clindamycin Phosphate EP Impurity A             | VS-C108005 | 154-21-2     |
| 5635 | Clindamycin Phosphate EP Impurity B             | VS-C108006 | 54887-31-9   |
| 5636 | Clindamycin Phosphate EP Impurity C             | VS-C108007 | 28708-34-1   |
| 5637 | Clindamycin Phosphate EP Impurity D             | VS-C108008 | 54887-30-8   |
| 5638 | Clindamycin Phosphate EP Impurity E (free base) | VS-C108009 | 18323-44-9   |
| 5639 | Clindamycin Phosphate EP Impurity F             | VS-C108010 | 27480-30-4   |
| 5640 | Clindamycin Phosphate EP Impurity G             | VS-C108011 | N/A          |
| 5641 | Clindamycin Phosphate EP Impurity H             | VS-C108012 | N/A          |
| 5642 | Clindamycin Phosphate EP Impurity I             | VS-C108013 | 1309048-48-3 |
| 5643 | Clindamycin Phosphate EP Impurity J             | VS-C108014 | 1309349-64-1 |
| 5644 | Clindamycin Phosphate EP Impurity K             | VS-C108015 | N/A          |
| 5645 | Clindamycin Phosphate EP Impurity L             | VS-C108016 | 620181-05-7  |
| 5646 | Clindamycin Impurity (Sulfone)                  | VS-C108017 | 887402-22-4  |
| 5647 | Clindamycin Impurity (Dehydro)                  | VS-C108018 | 198080-64-7  |
| 5648 | 4-Chloro Clindamycin Impurity                   | VS-C108019 | N/A          |
| 5649 | Clindamycin B Palmitate                         | VS-C108020 | 68206-99-5   |
| 5650 | Clindamycin 3-Palmitate                         | VS-C108021 | 68225-59-2   |
| 5651 | Clindamycin Heptadecanoate                      | VS-C108022 | 1123211-69-7 |
| 5652 | Clindamycin Laurate                             | VS-C108023 | 763863-68-9  |
| 5653 | Clindamycin Myristate                           | VS-C108024 | 1123211-66-4 |
| 5654 | Clindamycin Pentadecanoate                      | VS-C108025 | 1123211-67-5 |
| 5655 | Clindamycin Stearate HCl                        | VS-C108026 | 1123211-70-0 |
| 5656 | Isopropylidene Clindamycin                      | VS-C108027 | 147650-54-2  |
| 5657 | Isopropylidene Clindamycin Phosphate            | VS-C108028 | N/A          |
| 5658 | Clindamycin 2,3-Dipalmitate                     | VS-C108029 | N/A          |
| 5659 | Clindamycin 2-Palmitate                         | VS-C108030 | 36688-78-5   |
| 5660 | Clindamycin 2,4-Dipalmitate                     | VS-C108031 | N/A          |
| 5661 | Clindamycin 4-Palmitate                         | VS-C108032 | N/A          |
| 5662 | 7-Epi Clindamycin 2-Phosphate                   | VS-C108033 | 620181-05-7  |
| 5663 | Clindamycin 2-Phosphate Sulfoxide               | VS-C108034 | 1228573-90-7 |
| 5664 | Clindamycin N-Oxide                             | VS-C108035 | N/A          |
| 5665 | Clindamycin Sulfoxide 2-Palmitate Isomer        | VS-C108036 | N/A          |
| 5666 | Clindamycin B 3-phosphate                       | VS-C108037 | N/A          |
| 5667 | Clindamycin Diastereomer 2-Phosphate            | VS-C108038 | 1800297-62-4 |
| 5668 | Anisylidene Clindamycin                         | VS-C108039 | N/A          |
| 5669 | Anisylidene Clindamycin Palmitate               | VS-C108040 | 802310-11-8  |

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| 5670 | Clindamycin Palmitate sulfoxides ( $\alpha/\beta$ isomers) | VS-C108041 | N/A          |
| 5671 | 7-Epi Clindamycin Palmitate                                | VS-C108042 | N/A          |
| 5672 | Clindamycin phosphate Sulfoxide Isomer A                   | VS-C108043 | N/A          |
| 5673 | Clindamycin phosphate Sulfoxide Isomer B                   | VS-C108044 | N/A          |
| 5674 | Clindamycin Phosphate Impurity 1                           | VS-C108045 | 648910-17-2  |
| 5675 | Clindamycin Phosphate Impurity 2                           | VS-C108046 | N/A          |
| 5676 | Clindamycin Phosphate Impurity 3                           | VS-C108047 | N/A          |
| 5677 | Clindamycin Phosphate Impurity 4                           | VS-C108048 | N/A          |
| 5678 | Clindamycin Phosphate Impurity 5                           | VS-C108049 | N/A          |
| 5679 | Clindamycin Phosphate Impurity 6                           | VS-C108050 | N/A          |
| 5680 | Clindamycin Phosphate Impurity 7                           | VS-C108051 | N/A          |
| 5681 | Clindamycin Phosphate Impurity 8                           | VS-C108052 | N/A          |
| 5682 | Clindamycin Phosphate Impurity 9                           | VS-C108053 | N/A          |
| 5683 | Clindamycin Phosphate Impurity 10                          | VS-C108054 | N/A          |
| 5684 | Clindamycin Phosphate Impurity 11                          | VS-C108055 | N/A          |
| 5685 | Clindamycin Impurity 1                                     | VS-C108056 | N/A          |
| 5686 | Clindamycin Impurity 2                                     | VS-C108057 | N/A          |
| 5687 | Clindamycin Impurity 3                                     | VS-C108058 | N/A          |
| 5688 | Clindamycin Impurity 4                                     | VS-C108059 | N/A          |
| 5689 | Clindamycin Impurity 9                                     | VS-C108060 | 906126-31-6  |
| 5690 | Clindamycin Impurity 10                                    | VS-C108061 | N/A          |
| 5691 | Clindamycin Impurity 11                                    | VS-C108062 | N/A          |
| 5692 | Clindamycin Impurity 12                                    | VS-C108063 | N/A          |
| 5693 | Clindamycin Impurity 13                                    | VS-C108064 | N/A          |
| 5694 | Clindamycin Impurity 14                                    | VS-C108065 | N/A          |
| 5695 | Clindamycin Impurity 15                                    | VS-C108066 | N/A          |
| 5696 | Clindamycin Impurity 16                                    | VS-C108067 | 22965-79-3   |
| 5697 | Clindamycin Impurity 17                                    | VS-C108068 | N/A          |
| 5698 | Clindamycin Impurity 18                                    | VS-C108069 | N/A          |
| 5699 | Clindamycin Impurity 19                                    | VS-C108070 | N/A          |
| 5700 | Clindamycin Impurity 20                                    | VS-C108071 | 2090590-93-3 |
| 5701 | Clindamycin Impurity 21                                    | VS-C108072 | N/A          |
| 5702 | Clindamycin Impurity 22                                    | VS-C108073 | N/A          |
| 5703 | Clindamycin Impurity 23                                    | VS-C108074 | N/A          |
| 5704 | Clindamycin Impurity 24                                    | VS-C108075 | 1440605-51-5 |
| 5705 | Clindamycin Phosphate EP Impurity E                        | VS-C108076 | 21462-39-5   |
| 5706 | Clindamycin Hydrochloride                                  | VS-C108077 | 21462-39-5   |
| 5707 | Clindamycin Hydrochloride Monohydrate                      | VS-C108078 | 58207-19-5   |
| 5708 | N-Nitroso N-Desmethyl Clindamycin                          | VS-C108079 | N/A          |
| 5709 | Clindamycin Hydrochloride EP Impurity F                    | VS-C108080 | 1440605-46-8 |
| 5710 | Clioquinol                                                 | VS-C109000 | 130-26-7     |
| 5711 | Clioquinol EP Impurity A                                   | VS-C109001 | 130-16-5     |
| 5712 | Clioquinol EP Impurity B                                   | VS-C109002 | 773-76-2     |
| 5713 | Clioquinol EP Impurity C                                   | VS-C109003 | 83-73-8      |
| 5714 | Clobenzorex                                                | VS-C110000 | 76553-22-5   |
| 5715 | Clobetasol Propionate                                      | VS-C111000 | 25122-46-7   |
| 5716 | Clobetasol Propionate EP Impurity A                        | VS-C111001 | 5534-13-4    |

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| 5717 | Clobetasol Propionate EP Impurity B             | VS-C111002 | 1356190-17-4 |
| 5718 | Clobetasol Propionate EP Impurity C             | VS-C111003 | 25122-52-5   |
| 5719 | Clobetasol Propionate EP Impurity D             | VS-C111004 | 25120-99-4   |
| 5720 | Clobetasol Propionate EP Impurity E             | VS-C111005 | N/A          |
| 5721 | Clobetasol Propionate EP Impurity F             | VS-C111006 | 2412496-00-3 |
| 5722 | Clobetasol Propionate EP Impurity G             | VS-C111007 | 25122-41-2   |
| 5723 | Clobetasol Propionate EP Impurity H             | VS-C111008 | 4351-48-8    |
| 5724 | Clobetasol Propionate EP Impurity I             | VS-C111009 | 15423-80-0   |
| 5725 | Clobetasol Propionate EP Impurity J             | VS-C111010 | 1486466-31-2 |
| 5726 | Clobetasol Propionate EP Impurity K             | VS-C111011 | 75883-07-7   |
| 5727 | Clobetasol Propionate Related Compound 1        | VS-C111012 | 61618-89-1   |
| 5728 | Clobetasol Propionate Impurity                  | VS-C111013 | 95796-50-2   |
| 5729 | Clobetasol Impurity                             | VS-C111014 | 59860-99-0   |
| 5730 | 11,12-Dehydroxy-Betamethasone                   | VS-C111015 | 127034-59-7  |
| 5731 | Clobetasol Propionate Impurity 1                | VS-C111016 | 4089-36-5    |
| 5732 | Clobetasol Propionate Impurity 2                | VS-C111017 | N/A          |
| 5733 | Clobetasol Propionate Impurity 3                | VS-C111018 | N/A          |
| 5734 | Clobetasol Propionate Impurity 4                | VS-C111019 | 7561-64-0    |
| 5735 | Clobetasol Propionate Impurity 5                | VS-C111020 | 1135252-26-4 |
| 5736 | Clobetasol Propionate Impurity 6                | VS-C111021 | 79-74-3      |
| 5737 | Clobetasol Propionate Impurity 7                | VS-C111022 | 5442-35-3    |
| 5738 | Clobetasol Propionate Impurity 8                | VS-C111023 | N/A          |
| 5739 | Clobetasol Propionate EP Impurity F Ethyl Ester | VS-C111024 | N/A          |
| 5740 | Clobetasone Butyrate                            | VS-C112000 | 25122-57-0   |
| 5741 | Clobetasone Butyrate EP Impurity A              | VS-C112001 | 54063-32-0   |
| 5742 | Clobetasone Butyrate EP Impurity C              | VS-C112002 | 639817-49-5  |
| 5743 | Clobetasone Butyrate EP Impurity D              | VS-C112003 | 639817-51-9  |
| 5744 | Clobetasone Butyrate EP Impurity E              | VS-C112004 | 639817-48-4  |
| 5745 | Clobetasone Butyrate EP Impurity F              | VS-C112005 | 25120-98-3   |
| 5746 | Clobetasone Butyrate EP Impurity G              | VS-C112006 | N/A          |
| 5747 | Clobetasone Butyrate EP Impurity H              | VS-C112007 | 25122-56-9   |
| 5748 | Clobetasone Butyrate EP Impurity I              | VS-C112008 | 639817-47-3  |
| 5749 | Clobutinol Hydrochloride                        | VS-C113000 | 1215-83-4    |
| 5750 | Clobutinol Hydrochloride Impurity A             | VS-C113001 | N/A          |
| 5751 | Clobutinol Hydrochloride Impurity F             | VS-C113002 | 22104-62-7   |
| 5752 | Clobutinol Impurity B                           | VS-C113003 | N/A          |
| 5753 | Clobutinol Impurity 1                           | VS-C113004 | 5216-35-3    |
| 5754 | Clobutinol Impurity 2                           | VS-C113005 | 93721-02-9   |
| 5755 | Clodronate Disodium Tetrahydrate                | VS-C114000 | 88416-50-6   |
| 5756 | Clodronate EP Impurity A                        | VS-C114001 | 134757-52-1  |
| 5757 | Clodronate EP Impurity B                        | VS-C114002 | 7664-38-2    |
| 5758 | Clodronate EP Impurity D                        | VS-C114003 | 87591-00-2   |
| 5759 | Clofarabine                                     | VS-C115000 | 123318-82-1  |
| 5760 | Clofarabine Impurity A                          | VS-C115001 | 5451-40-1    |
| 5761 | Clofarabine Related Compound 1                  | VS-C115002 | 1140251-30-4 |
| 5762 | Clofarabine Related Compound 2                  | VS-C115003 | 1140251-33-7 |
| 5763 | Clofarabine Related Compound 3                  | VS-C115004 | N/A          |

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| 5764 | Clofarabine Related Compound 4                         | VS-C115005 | N/A          |
| 5765 | Clofarabine Alpha Anomer Impurity                      | VS-C115006 | 491594-60-6  |
| 5766 | 2-Chloroadenine                                        | VS-C115007 | 1839-18-5    |
| 5767 | Clofarabine Triphosphate                               | VS-C115008 | 134646-41-6  |
| 5768 | Mono Benzoyl Clofarabine                               | VS-C115009 | 162691-71-6  |
| 5769 | Clofarabine Ethoxy Impurity                            | VS-C115010 | N/A          |
| 5770 | Clofarabine Methoxy Impurity                           | VS-C115011 | 1093278-52-4 |
| 5771 | Clofarabine Bis-Purine Impurity                        | VS-C115012 | N/A          |
| 5772 | Clofarabine Bis-Sugar Impurity                         | VS-C115013 | N/A          |
| 5773 | Clofarabine Impurity 1                                 | VS-C115014 | 355138-50-0  |
| 5774 | Clofarabine Impurity 2                                 | VS-C115015 | 1334337-31-3 |
| 5775 | Clofarabine Impurity 3                                 | VS-C115016 | 1198-46-5    |
| 5776 | Clofarabine Impurity 4                                 | VS-C115017 | N/A          |
| 5777 | Clofarabine Impurity 5                                 | VS-C115018 | 1093278-61-5 |
| 5778 | Clofarabine Impurity 6                                 | VS-C115019 | 1140251-36-0 |
| 5779 | Clofarabine Impurity 7                                 | VS-C115020 | 796061-24-0  |
| 5780 | Clofarabine Impurity 8                                 | VS-C115021 | 111615-20-4  |
| 5781 | Clofarabine Impurity 9                                 | VS-C115022 | 21108-81-6   |
| 5782 | Clofarabine Impurity 10                                | VS-C115023 | 1093278-47-7 |
| 5783 | Clofazimine                                            | VS-C116000 | 2030-63-9    |
| 5784 | Clofazimine EP Impurity A                              | VS-C116001 | 102262-55-5  |
| 5785 | Clofazimine EP Impurity B                              | VS-C116002 | 2158184-11-1 |
| 5786 | 2-Nitro-4-chloro diphenyl amine                        | VS-C116003 | 16611-15-7   |
| 5787 | 2-Amino-4-chloro diphenylamine                         | VS-C116004 | 68817-71-0   |
| 5788 | Clofazimine Oxo Impurity                               | VS-C116005 | N/A          |
| 5789 | Clofazimine Impurity 1                                 | VS-C116006 | 103210-84-0  |
| 5790 | Clomiphene Citrate                                     | VS-C117001 | 50-41-9      |
| 5791 | Clomiphene-N-Oxide                                     | VS-C117002 | N/A          |
| 5792 | Deschloro Clomiphene Z isomer                          | VS-C117003 | 97800-40-3   |
| 5793 | N-Desethyl Clomiphene HCl (Mixture of Z and E Isomers) | VS-C117004 | 1310815-19-0 |
| 5794 | Clomiphene EP Impurity A (SALT)                        | VS-C117005 | 19957-53-0   |
| 5795 | Clomiphene EP Impurity B                               | VS-C117006 | 796-77-0     |
| 5796 | Clomiphene EP Impurity C (HCl Salt)                    | VS-C117007 | 5635-70-1    |
| 5797 | Clomiphene EP Impurity D                               | VS-C117008 | 1391054-64-0 |
| 5798 | Clomiphene EP Impurity E                               | VS-C117009 | 117884-83-0  |
| 5799 | Clomiphene EP Impurity F                               | VS-C117010 | 47648-28-2   |
| 5800 | Clomiphene EP Impurity G & H (Citrate Salt)            | VS-C117011 | 1795130-18-5 |
| 5801 | Clomiphene USP Related Compound A                      | VS-C117012 | 74056-26-1   |
| 5802 | 4-Chloroclomiphene E Isomer                            | VS-C117013 | N/A          |
| 5803 | 4-Chloroclomiphene Z Isomer                            | VS-C117014 | N/A          |
| 5804 | Clomiphene Ethylene                                    | VS-C117015 | N/A          |
| 5805 | cis-clomiphene                                         | VS-C117016 | 15690-55-8   |
| 5806 | trans-Clomiphene                                       | VS-C117017 | 15690-57-0   |
| 5807 | 2-Chloroclomiphene E isomer                            | VS-C117018 | 1795130-17-4 |
| 5808 | Benzyl Clomiphene (Citrate Salt)                       | VS-C117019 | N/A          |
| 5809 | 2-Chloroclomiphene Z isomer                            | VS-C117020 | N/A          |
| 5810 | Deschloroclomiphene chlorophenyl analog-Z-Isomer       | VS-C117021 | N/A          |

|      |                                                   |            |              |
|------|---------------------------------------------------|------------|--------------|
| 5811 | Benzyl Clomiphene-E-Isomer                        | VS-C117022 | N/A          |
| 5812 | Benzyl Clomiphene-Z-Isomer                        | VS-C117023 | N/A          |
| 5813 | 2-Chloroclomiphene Mixture of E & Z Isomer        | VS-C117024 | N/A          |
| 5814 | 4-Chloroclomiphene Mixture of E & Z Isomer        | VS-C117025 | N/A          |
| 5815 | Benzyl Clomiphene Mixture of E & Z Isomer         | VS-C117026 | N/A          |
| 5816 | Deschloro Clomiphene Mixture of E & Z isomer      | VS-C117027 | N/A          |
| 5817 | Deschloroclomiphene chlorophenyl analog-E-Isomer  | VS-C117028 | N/A          |
| 5818 | Clomiphene Impurity 1                             | VS-C117029 | 73404-00-9   |
| 5819 | Clomiphene EP Impurity A                          | VS-C117030 | 19957-52-9   |
| 5820 | Clomiphene EP Impurity C                          | VS-C117031 | 5530-99-4    |
| 5821 | N-Desethyl-E-Clomiphene                           | VS-C117032 | 79838-50-9   |
| 5822 | Chlorostilbene Mixture of E & Z Isomer            | VS-C117033 | NA           |
| 5823 | Clomipramine                                      | VS-C118000 | 303-49-1     |
| 5824 | Clomipramine Hydrochloride                        | VS-C118001 | 17321-77-6   |
| 5825 | Clomipramine Hydrochloride EP Impurity A          | VS-C118002 | N/A          |
| 5826 | Clomipramine Hydrochloride EP Impurity B          | VS-C118003 | 113-52-0     |
| 5827 | Clomipramine Hydrochloride EP Impurity C          | VS-C118004 | N/A          |
| 5828 | Clomipramine Hydrochloride EP Impurity D          | VS-C118005 | 115189-28-1  |
| 5829 | Clomipramine Hydrochloride EP Impurity E          | VS-C118006 | 494-19-9     |
| 5830 | Clomipramine Hydrochloride EP Impurity F          | VS-C118007 | 32943-25-2   |
| 5831 | Clomipramine Hydrochloride EP Impurity G          | VS-C118008 | 1425793-87-8 |
| 5832 | Clomipramine Dihydrochloride EP Impurity A        | VS-C118009 | 2305824-51-3 |
| 5833 | Didesmethyl Clomipramine                          | VS-C118010 | 62724-32-7   |
| 5834 | 8-Hydroxy Desmethyl Clomipramine                  | VS-C118011 | 104061-28-1  |
| 5835 | 8-Hydroxy Clomipramine                            | VS-C118012 | 61523-80-6   |
| 5836 | Clomipramine N-Oxide                              | VS-C118013 | 14171-67-6   |
| 5837 | N-Desmethyl Clomipramine HCl                      | VS-C118014 | 29854-14-6   |
| 5838 | Clomipramine Hydroxy impurity (photo degradation) | VS-C118015 | 27019-18-7   |
| 5839 | Desmethyl Clomipramine                            | VS-C118016 | N/A          |
| 5840 | Clomipramine Impurity 1                           | VS-C118017 | 39607-90-4   |
| 5841 | Clomipramine Impurity 2                           | VS-C118018 | 959007-11-5  |
| 5842 | Clomipramine Impurity 3                           | VS-C118019 | 78213-40-8   |
| 5843 | Clomipramine Impurity 4                           | VS-C118020 | 41075-14-3   |
| 5844 | Clomipramine Impurity 5                           | VS-C118021 | N/A          |
| 5845 | Clomipramine Impurity 6                           | VS-C118022 | N/A          |
| 5846 | Clomipramine Impurity 7                           | VS-C118023 | N/A          |
| 5847 | Clomipramine Impurity 8                           | VS-C118024 | 40583-97-9   |
| 5848 | Clomipramine Impurity 9                           | VS-C118025 | N/A          |
| 5849 | Clomipramine Impurity 10                          | VS-C118026 | 95021-06-0   |
| 5850 | Clomipramine Impurity 11                          | VS-C118027 | N/A          |
| 5851 | Clomipramine Impurity 12                          | VS-C118028 | 79752-03-7   |
| 5852 | Clomipramine Impurity 13                          | VS-C118029 | 79752-04-8   |
| 5853 | Clomipramine Impurity 14                          | VS-C118030 | 84803-67-8   |
| 5854 | Clomipramine Impurity 15                          | VS-C118031 | N/A          |
| 5855 | Clonidine Hydrochloride                           | VS-C119001 | 4205-91-8    |
| 5856 | Clonidine EP Impurity A                           | VS-C119002 | 5391-39-9    |
| 5857 | Clonidine EP Impurity B                           | VS-C119003 | 54707-71-0   |

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| 5858 | Clonidine EP Impurity C                         | VS-C119004 | 608-31-1     |
| 5859 | Clonidine Related Compound B                    | VS-C119005 | 2519452-56-1 |
| 5860 | Ethylenediamine p-toluenesulfonate              | VS-C119006 | 14034-59-4   |
| 5861 | 4-Hydroxy Clonidine                             | VS-C119007 | 57101-48-1   |
| 5862 | Clonidine Impurity 1                            | VS-C119008 | 21709-18-2   |
| 5863 | Clonidine Impurity 2                            | VS-C119009 | 10113-35-6   |
| 5864 | Clonidine Impurity 3                            | VS-C119010 | 27806-81-1   |
| 5865 | Clonidine Impurity 4                            | VS-C119011 | N/A          |
| 5866 | Clonidine Impurity 5                            | VS-C119012 | 39075-78-0   |
| 5867 | Mono-Nitroso-Clonidine                          | VS-C119013 | 148950-49-6  |
| 5868 | N-Nitroso-Clonidine                             | VS-C119014 | NA           |
| 5869 | Di-Nitroso-Clonidine                            | VS-C119015 | 148950-50-9  |
| 5870 | Clonixin                                        | VS-C120000 | 17737-65-4   |
| 5871 | L-Lysine Clonixinate                            | VS-C120001 | 55837-30-4   |
| 5872 | Clonixin Impurity 1                             | VS-C120002 | 17782-05-7   |
| 5873 | Clonixin Impurity 2                             | VS-C120003 | N/A          |
| 5874 | Clonixin Impurity 3                             | VS-C120004 | 57841-61-9   |
| 5875 | Clonixin Impurity 4                             | VS-C120005 | 72646-00-5   |
| 5876 | Clopidogrel                                     | VS-C121000 | 113665-84-2  |
| 5877 | Clopidogrel Bisulphate                          | VS-C121001 | 120202-66-6  |
| 5878 | Clopidogrel EP Impurity A                       | VS-C121002 | 144457-28-3  |
| 5879 | Clopidogrel EP Impurity B                       | VS-C121003 | 1396841-05-6 |
| 5880 | Clopidogrel EP Impurity C                       | VS-C121004 | 120202-71-3  |
| 5881 | Clopidogrel EP Impurity D                       | VS-C121005 | 1421283-60-4 |
| 5882 | Clopidogrel EP Impurity E                       | VS-C121006 | 90055-68-8   |
| 5883 | Clopidogrel EP Impurity F                       | VS-C121007 | 141109-19-5  |
| 5884 | Clopidogrel USP RC B                            | VS-C121008 | 144750-52-7  |
| 5885 | Clopidogrel Impurity B                          | VS-C121009 | 402746-56-9  |
| 5886 | Clopidogrel Impurity E                          | VS-C121010 | N/A          |
| 5887 | Clopidogrel Thieno Impurity HCl                 | VS-C121011 | 28783-41-7   |
| 5888 | D-(+)-(2-Chlorophenyl)glycine                   | VS-C121012 | 86169-24-6   |
| 5889 | Clopidogrel Bisulphate Related Compound A       | VS-C121013 | 144750-42-5  |
| 5890 | Clopidogrel Oxidative (Impurity-F)              | VS-C121014 | 1030894-82-6 |
| 5891 | Clopidogrel Impurity CHOX                       | VS-C121015 | 1251822-13-5 |
| 5892 | Clopidogrel thiol metabolite H1                 | VS-C121016 | N/A          |
| 5893 | Clopidogrel thiol metabolite H2                 | VS-C121017 | N/A          |
| 5894 | Clopidogrel thiol metabolite H3                 | VS-C121018 | N/A          |
| 5895 | Clopidogrel thiol metabolite H4                 | VS-C121019 | N/A          |
| 5896 | Rac-Clopidogrel Carboxylic Acid                 | VS-C121020 | 90055-55-3   |
| 5897 | Clopidogrel 3-Sulfonated Impurity               | VS-C121021 | N/A          |
| 5898 | Clopidogrel Thiol Metabolite H2 Isomer TFA Salt | VS-C121022 | 1801260-47-8 |
| 5899 | Clopidogrel Thiol Metabolite H3 Isomer TFA Salt | VS-C121023 | N/A          |
| 5900 | Clopidogrel Thiol Metabolite H4 Isomer TFA Salt | VS-C121024 | N/A          |
| 5901 | Clopidogrel Impurity 1                          | VS-C121025 | 61285-69-6   |
| 5902 | Clopidogrel Impurity 2                          | VS-C121026 | 61301-31-3   |
| 5903 | Clopidogrel Impurity 3                          | VS-C121027 | 107112-93-6  |
| 5904 | Clopidogrel Impurity 4                          | VS-C121028 | 144457-43-2  |

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| 5905 | Clopidogrel Impurity 5                                                       | VS-C121029 | 131202-62-5  |
| 5906 | Clopidogrel Impurity 6                                                       | VS-C121030 | 1336899-26-3 |
| 5907 | Clopidogrel Impurity 7                                                       | VS-C121031 | N/A          |
| 5908 | Clopidogrel Impurity 8                                                       | VS-C121032 | 1351983-68-0 |
| 5909 | Clopidogrel Impurity 9                                                       | VS-C121033 | 40412-09-7   |
| 5910 | Clopidogrel Impurity 10                                                      | VS-C121034 | 1319197-71-1 |
| 5911 | Clopidogrel Impurity 11                                                      | VS-C121035 | 1319197-73-3 |
| 5912 | Clopidogrel Impurity 12                                                      | VS-C121036 | 1396607-49-0 |
| 5913 | Clopidogrel Pyridinium Bromide Impurity                                      | VS-C121037 | 1251736-87-4 |
| 5914 | Clopidogrel Hydrogen Sulfate Racemate                                        | VS-C121038 | 135046-48-9  |
| 5915 | Clopidogrel Hydrogen Sulfate Impurity B (HCl)                                | VS-C121039 | 1396607-35-4 |
| 5916 | (S)-2-(2-Chlorophenyl)-2-(6,7-Dihydrothieno[3,2-C]Pyridin-5(4H)-Yl)Acetamide | VS-C121040 | 444728-13-6  |
| 5917 | S-Clopidogrel N-Methyl Impurity                                              | VS-C121041 | 1346605-15-9 |
| 5918 | Clopidogrel Nitroso Impurity 1                                               | VS-C121042 | NA           |
| 5919 | Clopidogrel Impurity 13                                                      | VS-C121043 | 1015247-86-5 |
| 5920 | Clopidogrel Impurity 14                                                      | VS-C121044 | NA           |
| 5921 | Clopidogrel Impurity 15                                                      | VS-C121045 | NA           |
| 5922 | Cloprostenol Sodium                                                          | VS-C122001 | 55028-72-3   |
| 5923 | Clorazepate                                                                  | VS-C123000 | 23887-31-2   |
| 5924 | Clorazepate EP Impurity A                                                    | VS-C123001 | 719-59-5     |
| 5925 | Clorazepate EP Impurity B                                                    | VS-C123002 | 1088-11-5    |
| 5926 | Clorazepate EP Impurity C                                                    | VS-C123003 | 5606-55-3    |
| 5927 | Clotrimazole                                                                 | VS-C124000 | 23593-75-1   |
| 5928 | Clotrimazole EP Impurity A                                                   | VS-C124001 | 66774-02-5   |
| 5929 | Clotrimazole EP Impurity B                                                   | VS-C124002 | 23593-71-7   |
| 5930 | Clotrimazole EP Impurity C                                                   | VS-C124003 | 42074-68-0   |
| 5931 | Clotrimazole EP Impurity D                                                   | VS-C124004 | 288-32-4     |
| 5932 | Clotrimazole EP Impurity E                                                   | VS-C124005 | 5162-03-8.   |
| 5933 | Clotrimazole EP Impurity F                                                   | VS-C124006 | 15469-97-3   |
| 5934 | 2-Chlorobenzotrichloride                                                     | VS-C124007 | 2136-89-2    |
| 5935 | Clotrimazole Impurity 1                                                      | VS-C124008 | 88-66-4      |
| 5936 | Clotrimazole Impurity 2                                                      | VS-C124009 | 98751-53-2   |
| 5937 | Clotrimazole Impurity 3                                                      | VS-C124010 | 289887-34-9  |
| 5938 | Clotrimazole Impurity 4                                                      | VS-C124011 | N/A          |
| 5939 | Clotrimazole Impurity E                                                      | VS-C124012 | 08-03-62     |
| 5940 | Cloxacillin Sodium                                                           | VS-C125001 | 642-78-4     |
| 5941 | Cloxacillin EP Impurity A                                                    | VS-C125002 | 1642629-96-6 |
| 5942 | Cloxacillin EP Impurity B                                                    | VS-C125003 | 1642559-64-5 |
| 5943 | Cloxacillin EP Impurity C                                                    | VS-C125004 | 551-16-6     |
| 5944 | Cloxacillin EP Impurity D                                                    | VS-C125005 | 23598-72-3   |
| 5945 | Cloxacillin EP Impurity E                                                    | VS-C125006 | N/A          |
| 5946 | Cloxacillin Penicilloic Acid                                                 | VS-C125007 | N/A          |
| 5947 | Tiocloxacillin                                                               | VS-C125008 | 5053-36-1    |
| 5948 | Cloxacillin penicilloic Penicillamide                                        | VS-C125009 | N/A          |
| 5949 | Cloxacillin Impurity 1                                                       | VS-C125010 | N/A          |
| 5950 | Clozapine                                                                    | VS-C126000 | 5786-21-0    |



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| 5951 | Clozapine EP Impurity A                | VS-C126001 | 50892-62-1   |
| 5952 | Clozapine EP Impurity B                | VS-C126002 | 263366-81-0  |
| 5953 | Clozapine EP Impurity C                | VS-C126003 | 6104-71-8    |
| 5954 | Clozapine EP Impurity D                | VS-C126004 | 65514-71-8   |
| 5955 | Clozapine N-Oxide                      | VS-C126005 | 34233-69-7   |
| 5956 | Clozapine Impurity 1                   | VS-C126006 | 69414-55-7   |
| 5957 | Clozapine Impurity 2                   | VS-C126007 | 67990-66-3   |
| 5958 | Clozapine Impurity 3                   | VS-C126008 | 50373-22-3   |
| 5959 | Deschloro Clozapine                    | VS-C126009 | 07-07-77     |
| 5960 | Clozapine Impurity 5                   | VS-C126010 | 60091-87-4   |
| 5961 | Clozapine Impurity 7                   | VS-C126011 | 109-01-3     |
| 5962 | Clozapine Impurity 8                   | VS-C126012 | 106-58-1     |
| 5963 | Clozapine Impurity 9                   | VS-C126013 | 89-61-2      |
| 5964 | Clozapine Impurity 10                  | VS-C126014 | 2518150-45-1 |
| 5965 | Clozapine Impurity 11                  | VS-C126015 | 1025951-76-1 |
| 5966 | Cobicistat                             | VS-C127000 | 1004316-88-4 |
| 5967 | Cobicistat Hydroxy Impurity            | VS-C127001 | 1051463-40-1 |
| 5968 | Cobicistat Open Morpholine Impurity    | VS-C127002 | N/A          |
| 5969 | Cobicistat 4-Carbonyl Impurity         | VS-C127003 | N/A          |
| 5970 | Cobicistat 2-Amino Amide Impurity      | VS-C127004 | 1051463-15-0 |
| 5971 | Cobicistat Pyrrolidinone Impurity      | VS-C127005 | N/A          |
| 5972 | Cobicistat Urea Impurity               | VS-C127006 | 1004316-93-1 |
| 5973 | Cobicistat SSR Isomer                  | VS-C127007 | N/A          |
| 5974 | Cobicistat SSS Isomer                  | VS-C127008 | N/A          |
| 5975 | Cobicistat RRR Isomer                  | VS-C127009 | 1051463-82-1 |
| 5976 | Morpholine Amine Impurity              | VS-C127010 | 1992785-25-7 |
| 5977 | Morpholine N-Oxide Impurity            | VS-C127011 | 1992785-27-9 |
| 5978 | Dithiazole Diamine Impurity            | VS-C127012 | N/A          |
| 5979 | Dithiazole Carbonate Impurity          | VS-C127013 | N/A          |
| 5980 | Dimorphiline impurity                  | VS-C127014 | N/A          |
| 5981 | 4-Morpholineethanol                    | VS-C127015 | 622-40-2     |
| 5982 | Cobicistat Impurity 1                  | VS-C127016 | 1051463-24-1 |
| 5983 | Cobicistat Impurity 2                  | VS-C127017 | 1689522-41-5 |
| 5984 | Cobicistat Impurity 3                  | VS-C127018 | 1640036-98-1 |
| 5985 | Cobicistat Impurity 4                  | VS-C127019 | N/A          |
| 5986 | Cobicistat Impurity 5                  | VS-C127020 | N/A          |
| 5987 | Cobicistat Impurity 6                  | VS-C127021 | 07-03-85     |
| 5988 | Cobicistat Impurity 7                  | VS-C127022 | 01-03-38     |
| 5989 | Diamine Dihydrochloride of Cobicistat  | VS-C127023 | 1247119-31-8 |
| 5990 | L-Thiazole Amino Lactone of Cobicistat | VS-C127024 | 1004316-93-1 |
| 5991 | Cobicistat Impurity 9                  | VS-C127025 | 1370406-84-0 |
| 5992 | Cobicistat Impurity 10                 | VS-C127026 | 1247119-35-2 |
| 5993 | Cobicistat Impurity 11                 | VS-C127027 | 1247119-46-5 |
| 5994 | Cobicistat Impurity 12                 | VS-C127028 | N/A          |
| 5995 | Cobicistat Impurity 13                 | VS-C127029 | N/A          |
| 5996 | Cobicistat Impurity 14                 | VS-C127030 | N/A          |
| 5997 | Cobicistat Impurity 15                 | VS-C127031 | N/A          |

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| 5998 | Cobicistat Impurity 16                        | VS-C127032 | N/A          |
| 5999 | Cobicistat Impurity 17                        | VS-C127033 | N/A          |
| 6000 | Cobicistat Impurity 18                        | VS-C127034 | N/A          |
| 6001 | Cobicistat Thiazole dimer Impurity            | VS-C127035 | N/A          |
| 6002 | Cobicistat Morpholine thiazole ester Impurity | VS-C127036 | N/A          |
| 6003 | Cobimetinib                                   | VS-C128000 | 934660-93-2  |
| 6004 | Colchicine                                    | VS-C129000 | 64-86-8      |
| 6005 | Colchicine EP Impurity A                      | VS-C129001 | 03-12-11     |
| 6006 | Colchicine EP Impurity B                      | VS-C129002 | N/A          |
| 6007 | Colchicine EP Impurity C                      | VS-C129003 | 6901-13-9    |
| 6008 | Colchicine EP Impurity D                      | VS-C129004 | 477-29-2     |
| 6009 | Colchicine EP Impurity E                      | VS-C129005 | 7336-33-6    |
| 6010 | Colchicine EP Impurity F                      | VS-C129006 | 477-27-0     |
| 6011 | Colchicine EP Impurity F Sodium salt          | VS-C129007 | 60299-36-7   |
| 6012 | Colchicine EP Impurity F Potassium salt       | VS-C129008 | 2411811-49-7 |
| 6013 | Colchicine EP Impurity G                      | VS-C129009 | 6901-14-0    |
| 6014 | N-Trifluoroacetyl Deacetylcolchicine          | VS-C129010 | 26195-65-3   |
| 6015 | 1-Demethylcolchicine                          | VS-C129011 | 3464-68-4    |
| 6016 | 2-Demethyl Thiocolchicine                     | VS-C129012 | 87424-26-8   |
| 6017 | Thiocolchicine                                | VS-C129013 | 2730-71-4    |
| 6018 | N-Deacetyl Colchicine                         | VS-C129014 | 3476-50-4    |
| 6019 | 2-Demethyl Colchicine                         | VS-C129015 | 102491-80-5  |
| 6020 | Colchicine Racemic Mixture Impurity           | VS-C129016 | 54192-66-4   |
| 6021 | Colchicine Hydrochloride                      | VS-C129017 | 34371-48-7   |
| 6022 | N-Deacetyl Colchicine HCl                     | VS-C129018 | 1267993-42-9 |
| 6023 | Colchicine Enantiomer                         | VS-C129019 | 75520-89-7   |
| 6024 | Colchicine Impurity 1                         | VS-C129020 | 172756-13-7  |
| 6025 | Colesevelam Hydrochloride                     | VS-C130001 | 182815-44-7  |
| 6026 | Decyl Aminoquat HBr                           | VS-C130002 | 2247938-20-9 |
| 6027 | Colesevelam Aminoquat Impurity                | VS-C130003 | 33968-67-1   |
| 6028 | Dihexyl Aminoquat                             | VS-C130004 | 2170771-70-5 |
| 6029 | Bromquat Impurity                             | VS-C130005 | 475503-55-0  |
| 6030 | Hydroxyquat Impurity                          | VS-C130006 | 118843-18-8  |
| 6031 | Methoxyquat                                   | VS-C130007 | N/A          |
| 6032 | Decylamine HCl                                | VS-C130008 | 143-09-9     |
| 6033 | 1,6-Dibromohexane                             | VS-C130009 | 629-03-8     |
| 6034 | Trimethylamine HCl                            | VS-C130010 | 593-81-7     |
| 6035 | hexamethylhexane-1,6-diaminium Br             | VS-C130011 | N/A          |
| 6036 | Chloroquat                                    | VS-C130012 | 93199-84-9   |
| 6037 | Didecylamine HCl                              | VS-C130013 | 2486-84-2    |
| 6038 | Colesevelum Impurity 1                        | VS-C130014 | 857545-08-5  |
| 6039 | Hexamethonium Bromide                         | VS-C130015 | 55-97-0      |
| 6040 | 6-Bromohexylamine Hydrobromide                | VS-C130016 | 14502-76-2   |
| 6041 | Colesevelam Bromoquat Impurity                | VS-C130017 | 32765-81-4   |
| 6042 | N-Nitroso Amino dihexylquat                   | VS-C130018 | N/A          |
| 6043 | N-Nitroso Decyl aminoquat                     | VS-C130019 | N/A          |
| 6044 | Didecylamine                                  | VS-C130020 | 1120-49-6    |

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| 6045 | Decylaminoquat                              | VS-C130021 | 2170771-69-2 |
| 6046 | Copanlisib                                  | VS-C131000 | 1032568-63-0 |
| 6047 | Cortexolone                                 | VS-C132000 | 152-58-9     |
| 6048 | Cortexolone Impurity A                      | VS-C132001 | 853-27-0     |
| 6049 | Cortexolone Impurity C                      | VS-C132002 | 640-87-9     |
| 6050 | Cortexolone Impurity D                      | VS-C132003 | 95624-09-2   |
| 6051 | Cortexolone Impurity E                      | VS-C132004 | N/A          |
| 6052 | Cortexolone Impurity F                      | VS-C132005 | 19608-30-1   |
| 6053 | Corticosterone                              | VS-C133000 | 50-22-6      |
| 6054 | 21-Dehydrocorticosterone                    | VS-C133001 | 20287-97-2   |
| 6055 | Corydaline                                  | VS-C134000 | 518-69-4     |
| 6056 | Creatinine                                  | VS-C135000 | 60-27-5      |
| 6057 | Crisaborole                                 | VS-C136000 | 906673-24-3  |
| 6058 | Crisaborole m-Isomer                        | VS-C136001 | 906673-42-5  |
| 6059 | Crisaborole o-Isomer                        | VS-C136002 | 906673-30-1  |
| 6060 | Crisaborole Impurity A                      | VS-C136003 | 888967-63-3  |
| 6061 | Crisaborole Impurity B                      | VS-C136004 | N/A          |
| 6062 | Crisaborole Impurity D                      | VS-C136005 | 1187188-59-5 |
| 6063 | Crisaborole Impurity C                      | VS-C136006 | 1187187-01-4 |
| 6064 | Crisaborole Acid Impurity                   | VS-C136007 | 906673-43-6  |
| 6065 | Crisaborole Stage-I Impurity                | VS-C136008 | 906673-45-8  |
| 6066 | Crisaborole Dimer Impurity                  | VS-C136009 | 2254541-79-0 |
| 6067 | Crisaborole Impurity 1                      | VS-C136010 | N/A          |
| 6068 | Crisaborole Impurity 2                      | VS-C136011 | N/A          |
| 6069 | Crisaborole Impurity 3                      | VS-C136012 | N/A          |
| 6070 | Crisaborole Impurity 4                      | VS-C136013 | N/A          |
| 6071 | Crisaborole Impurity 5                      | VS-C136014 | 58380-11-3   |
| 6072 | Crisaborole Impurity 6                      | VS-C136015 | 28547-28-6   |
| 6073 | Crisaborole Impurity 7                      | VS-C136016 | 38876-70-9   |
| 6074 | Crisaborole Impurity 8                      | VS-C136017 | 2354382-27-5 |
| 6075 | Crizotinib                                  | VS-C137000 | 877399-52-5  |
| 6076 | Crizotinib Impurity 1                       | VS-C137001 | N/A          |
| 6077 | Crizotinib Impurity 2                       | VS-C137002 | N/A          |
| 6078 | Crizotinib Impurity 3                       | VS-C137003 | 877399-00-3  |
| 6079 | Cromolyn Sodium                             | VS-C138001 | 15826-37-6   |
| 6080 | Cromolyn USP Related Compound A             | VS-C138002 | 16150-44-0   |
| 6081 | Cromolyn USP Related Compound B             | VS-C138003 | 16150-45-1   |
| 6082 | Cromolyn Tricarboxylic Acid Analog Impurity | VS-C138004 | N/A          |
| 6083 | Crotamiton                                  | VS-C139000 | 483-63-6     |
| 6084 | Crotamiton EP Impurity A                    | VS-C139001 | 13936-71-5   |
| 6085 | Cyamemazine                                 | VS-C140000 | 3546-03-0    |
| 6086 | Cyamemazine Carboxamide                     | VS-C140001 | N/A          |
| 6087 | Cyamemazine Sulfoxide                       | VS-C140002 | N/A          |
| 6088 | Cyanocobalamin                              | VS-C141000 | 68-19-9      |
| 6089 | Cyanocobalamin EP Impurity A                | VS-C141001 | 23208-66-4   |
| 6090 | Cyanocobalamin EP Impurity B                | VS-C141002 | 26264-28-8   |
| 6091 | Cyanocobalamin EP Impurity C                | VS-C141003 | 38218-51-8   |

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| 6092 | Cyanocobalamin EP Impurity D                  | VS-C141004 | N/A          |
| 6093 | Cyanocobalamin EP Impurity E                  | VS-C141005 | 41325-63-7   |
| 6094 | Cyanocobalamin EP Impurity G                  | VS-C141006 | N/A          |
| 6095 | Cyanocobalamin EP Impurity H                  | VS-C141007 | N/A          |
| 6096 | Vitamin B-12 C-Lactam                         | VS-C141008 | 23388-02-5   |
| 6097 | Methylcobalamin                               | VS-C141009 | 13422-55-4   |
| 6098 | Cyanocobalamin Impurity 1                     | VS-C141010 | N/A          |
| 6099 | Cyanocobalamin Impurity 2                     | VS-C141011 | N/A          |
| 6100 | Cyanocobalamin Impurity 3                     | VS-C141012 | N/A          |
| 6101 | Cyanocobalamin Impurity 4                     | VS-C141013 | N/A          |
| 6102 | Cyanocobalamin EP Impurity F                  | VS-C141014 | 23208-66-4   |
| 6103 | Cyclizine                                     | VS-C142000 | 82-92-8      |
| 6104 | Cyclizine Hydrochloride                       | VS-C142001 | 303-25-3     |
| 6105 | Cyclizine Hydrochloride EP Impurity A         | VS-C142002 | 109-01-3     |
| 6106 | Cyclizine Hydrochloride EP Impurity B         | VS-C142003 | 91-01-0      |
| 6107 | Cyclobenzaprine HCl                           | VS-C143001 | 6202-23-9    |
| 6108 | Cyclobenzaprine USP RC A                      | VS-C143002 | 18029-54-4   |
| 6109 | Cyclobenzaprine USP RC B                      | VS-C143003 | 303-50-4     |
| 6110 | Cyclobenzaprine 3-Hydroxy Impurity            | VS-C143004 | 30235-48-4   |
| 6111 | Cyclobenzaprine DiDesmethyl HCl               | VS-C143005 | 1614-47-7    |
| 6112 | Cyclobenzaprine N-Oxide                       | VS-C143006 | 6682-26-4    |
| 6113 | Dibenzo Cycloheptene                          | VS-C143007 | 833-48-7     |
| 6114 | Cyclobenzaprine-10,11-epoxide                 | VS-C143008 | 58256-08-9   |
| 6115 | Cyclophosphamide                              | VS-C144000 | 50-18-0      |
| 6116 | Alcophosphamide                               | VS-C144001 | 52336-54-6   |
| 6117 | Cyclophosphamide Related Compound A           | VS-C144002 | 821-48-7     |
| 6118 | Cyclophosphamide Related Compound B           | VS-C144003 | 158401-52-6  |
| 6119 | Cyclophosphamide Related Compound C           | VS-C144004 | 1071-28-9    |
| 6120 | Cyclophosphamide Related Compound D           | VS-C144005 | 158401-51-5  |
| 6121 | Cyclophosphamide Related Compound E           | VS-C144006 | 156-87-6     |
| 6122 | Cyclophosphamide Related Compound F           | VS-C144007 | 2387771-96-0 |
| 6123 | Cyclophosphamide Impurity A                   | VS-C144008 | 1797009-12-1 |
| 6124 | Cyclophosphamide Impurity B                   | VS-C144009 | 22089-17-4   |
| 6125 | Cyclophosphamide Impurity C                   | VS-C144010 | 241482-18-8  |
| 6126 | Cyclophosphamide Impurity D                   | VS-C144011 | 22608-58-8   |
| 6127 | Didechlorodihydroxycyclophosphamide           | VS-C144012 | 90632-33-0   |
| 6128 | Cyclophosphamide Monohydrate                  | VS-C144013 | 6055-19-2    |
| 6129 | Cyclophosphamide ring open dimer impurity     | VS-C144014 | N/A          |
| 6130 | Hydroxycyclophosphamide Aminopropyl Phosphate | VS-C144015 | N/A          |
| 6131 | Cyclophosphamide Pyrophosphate Analog         | VS-C144016 | N/A          |
| 6132 | Cyclophosphamide Open Ring Ethanol Adduct     | VS-C144017 | N/A          |
| 6133 | Cyclophosphamide Oxide                        | VS-C144018 | N/A          |
| 6134 | Cyclophosphamide Impurity 1                   | VS-C144019 | N/A          |
| 6135 | Cyclophosphamide Impurity 2                   | VS-C144020 | 2576-29-6    |
| 6136 | Cyclophosphamide Impurity 3                   | VS-C144021 | N/A          |
| 6137 | Cyclophosphamide Impurity 4                   | VS-C144022 | 1566-15-0    |
| 6138 | Cyclophosphamide Impurity 5                   | VS-C144023 | N/A          |

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| 6139 | Cyclophosphamide Impurity 6                   | VS-C144024 | N/A          |
| 6140 | Cyclophosphamide Impurity 7                   | VS-C144025 | N/A          |
| 6141 | Cyclophosphamide Impurity 8                   | VS-C144026 | N/A          |
| 6142 | Cyclophosphamide Impurity 9                   | VS-C144027 | 2387771-95-9 |
| 6143 | Cyclophosphamide Impurity 10                  | VS-C144028 | 40722-99-4   |
| 6144 | Cyclophosphamide Impurity 11                  | VS-C144029 | N/A          |
| 6145 | Cyclophosphamide Impurity 12                  | VS-C144030 | 60106-92-5   |
| 6146 | Cyclophosphamide Impurity 13                  | VS-C144031 | 127-88-8     |
| 6147 | Cyclophosphamide Impurity 14                  | VS-C144032 | 18907-76-1   |
| 6148 | Cyclophosphamide Impurity 15                  | VS-C144033 | 40722-80-3   |
| 6149 | Cycloserine                                   | VS-C145000 | 68-41-7      |
| 6150 | Cycloserine Dimer Impurity A                  | VS-C145001 | 16337-02-3   |
| 6151 | L-Serine                                      | VS-C145002 | 56-45-1      |
| 6152 | D-Serine methyl ester hydrochloride           | VS-C145003 | 5874-57-7    |
| 6153 | 3-Chloro-D-alanine methyl ester hydrochloride | VS-C145004 | 112346-82-4  |
| 6154 | L-Cycloserine                                 | VS-C145005 | 339-72-0     |
| 6155 | Cycloserine Dimer                             | VS-C145006 | 1204-99-5    |
| 6156 | Cyclosporin                                   | VS-C146000 | 59865-13-3   |
| 6157 | Cyclosporin A Dihydro Impurity                | VS-C146001 | 59865-15-5   |
| 6158 | Cyclosporin A Isomer                          | VS-C146002 | 59865-16-6   |
| 6159 | Cyclosporin B                                 | VS-C146003 | 63775-95-1   |
| 6160 | Cyclosporin C                                 | VS-C146004 | 59787-61-0   |
| 6161 | Cyclosporin D                                 | VS-C146005 | 63775-96-2   |
| 6162 | Cyclosporin H                                 | VS-C146006 | 83602-39-5   |
| 6163 | Isocyclosporin H                              | VS-C146007 | 83602-43-1   |
| 6164 | Cyclosporine U                                | VS-C146008 | 108027-45-8  |
| 6165 | Cyclosporin G                                 | VS-C146009 | 74436-00-3   |
| 6166 | Cyclosporine L                                | VS-C146010 | 108027-39-0  |
| 6167 | Cyclosporin EP Impurity F                     | VS-C146011 | 437611-17-1  |
| 6168 | Cyproheptadine Hydrochloride Sesquihydrate    | VS-C147001 | 41354-29-4   |
| 6169 | Cyproheptadine N-Oxide Mixture                | VS-C147002 | 100295-63-4  |
| 6170 | Cyproheptadine Alpha N-Oxide                  | VS-C147003 | 54381-42-9   |
| 6171 | Cyproheptadine beta N-Oxide                   | VS-C147004 | 60251-34-5   |
| 6172 | Cyproheptadine EP Impurity A                  | VS-C147005 | 256-81-5     |
| 6173 | Cyproheptadine EP Impurity B                  | VS-C147006 | 2222-33-5    |
| 6174 | Cyproheptadine EP Impurity C                  | VS-C147007 | 3967-32-6    |
| 6175 | Cyproheptadine EP impurity C (HCl)            | VS-C147008 | 4046-24-6    |
| 6176 | Cyproheptadine Impurity 1                     | VS-C147009 | 54191-04-7   |
| 6177 | Cyproheptadine Impurity 2                     | VS-C147010 | N/A          |
| 6178 | Cyproheptadine Impurity 3                     | VS-C147011 | 54191-03-6   |
| 6179 | Cyproterone Acetate                           | VS-C148001 | 427-51-0     |
| 6180 | Cyproterone Acetate EP Impurity A             | VS-C148002 | 2701-50-0    |
| 6181 | Cyproterone Acetate EP Impurity B             | VS-C148003 | N/A          |
| 6182 | Cyproterone Acetate EP Impurity C             | VS-C148004 | 17183-98-1   |
| 6183 | Cyproterone Acetate EP Impurity D             | VS-C148005 | N/A          |
| 6184 | Cyproterone Acetate EP Impurity E             | VS-C148006 | 17184-05-3   |
| 6185 | Cyproterone Acetate EP Impurity F             | VS-C148007 | 2098-66-0    |

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| 6186 | Cyproterone Acetate EP Impurity G       | VS-C148008 | 23814-84-8   |
| 6187 | Cyproterone Acetate EP Impurity H       | VS-C148009 | 2668-74-8    |
| 6188 | Cyproterone Acetate EP Impurity I       | VS-C148010 | 13698-49-2   |
| 6189 | Cyproterone Acetate EP Impurity J       | VS-C148011 | 15423-97-9   |
| 6190 | Cyproterone Acetate Impurity 1          | VS-C148012 | 68791-71-9   |
| 6191 | Cyproterone Acetate Impurity 2          | VS-C148013 | 65423-26-9   |
| 6192 | Cytarabine                              | VS-C149000 | 147-94-4     |
| 6193 | Cytarabine EP Impurity A                | VS-C149001 | 3083-77-0    |
| 6194 | Cytarabine EP Impurity B                | VS-C149002 | 58-96-8      |
| 6195 | Cytarabine EP Impurity C                | VS-C149003 | 71-30-7      |
| 6196 | Cytarabine EP Impurity D                | VS-C149004 | 66-22-8      |
| 6197 | Cytarabine EP Impurity E                | VS-C149005 | 65-46-3      |
| 6198 | Cytarabine EP Impurity F                | VS-C149006 | 32830-01-6   |
| 6199 | Cytarabine EP Impurity G                | VS-C149007 | 2140-61-6    |
| 6200 | Cytarabine EP Impurity F                | VS-C149008 | 31698-14-3   |
| 6201 | Cytarabine EP Impurity H                | VS-C149009 | 6829-31-8    |
| 6202 | Cytarabine Impurity 1                   | VS-C149010 | 72521-19-8   |
| 6203 | Cytarabine Impurity 2                   | VS-C149011 | 2225980-94-7 |
| 6204 | Cytidine                                | VS-C150000 | 65-46-3      |
| 6205 | Cytidine 5'-Monophosphate Disodium Salt | VS-C150001 | 08-06-57     |
| 6206 | Ancitabine HCl                          | VS-C150002 | 10212-25-6   |
| 6207 | Cytosine                                | VS-C151000 | 71-30-7      |
| 6208 | Flucytosine                             | VS-C151001 | 2022-85-7    |
| 6209 | Chlordiazepoxide EP Impurity A          | VS-C152001 | 963-39-3     |
| 6210 | Chlordiazepoxide EP Impurity B          | VS-C152002 | 5958-24-7    |
| 6211 | Chlordiazepoxide EP Impurity C          | VS-C152003 | 719-59-5     |
| 6212 | Chlormezanone                           | VS-C153000 | 80-77-3      |
| 6213 | Cinitapride                             | VS-C154000 | 66564-14-5   |
| 6214 | Clobazam EP Impurity A                  | VS-C155001 | 22316-55-8   |
| 6215 | Clobazam EP Impurity B                  | VS-C155002 | 22316-24-1   |
| 6216 | Clobazam EP Impurity C                  | VS-C155003 | 22316-16-1   |
| 6217 | Clobazam EP Impurity D                  | VS-C155004 | 2092997-47-0 |
| 6218 | Clobazam EP Impurity E                  | VS-C155005 | 75524-13-9   |
| 6219 | Clobazam EP Impurity F                  | VS-C155006 | 2089061-92-5 |
| 6220 | Clobazam USP Related Compound G         | VS-C155007 | 75524-10-6   |
| 6221 | Cyclic Deschloro Clobazam Impurity      | VS-C155008 | 22316-50-3   |
| 6222 | Clonazepam                              | VS-C156000 | 1622-61-3    |
| 6223 | Clonazepam EP Impurity A                | VS-C156001 | 2011-66-7    |
| 6224 | Clonazepam EP Impurity B                | VS-C156002 | 55198-89-5   |
| 6225 | Clonazepam USP Related Compound C       | VS-C156003 | 52130-87-7   |
| 6226 | Clonazepam Chloroacetamido Impurity     | VS-C156004 | 180854-85-7  |
| 6227 | Clonazepam Impurity 1                   | VS-C156005 | 17714-02-2   |
| 6228 | Clonazepam Impurity 2                   | VS-C156006 | NA           |
| 6229 | Clonazepam Impurity 3                   | VS-C156007 | 1647150-35-3 |
| 6230 | Clonazepam Impurity 4                   | VS-C156008 | NA           |
| 6231 | Clonazepam Impurity 5                   | VS-C156009 | NA           |
| 6232 | Clonazepam Impurity 6                   | VS-C156010 | NA           |

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| 6233 | Clonazepam Impurity 7                    | VS-C156011 | NA           |
| 6234 | Clonazepam Impurity 8                    | VS-C156012 | 24863-73-8   |
| 6235 | Cyclopentolate Hydrochloride             | VS-C157001 | 5870-29-1    |
| 6236 | Cyclopentolate EP Impurity A             | VS-C157002 | 25209-52-3   |
| 6237 | Cyclopentolate EP Impurity B             | VS-C157003 | 103-82-2     |
| 6238 | Cyclopentolate EP Impurity C HCl         | VS-C157004 | 113079-81-5  |
| 6239 | Chlorphenesin Carbamate                  | VS-C158000 | 886-74-8     |
| 6240 | Chlorphenesin Carbamate Isomer           | VS-C158001 | 61514-96-3   |
| 6241 | Caffeic Acid                             | VS-C159000 | 331-39-5     |
| 6242 | Cyclo(-Ala-Gln)                          | VS-C159001 | 268221-76-7  |
| 6243 | Cyclo(-Ala-Glu)                          | VS-C159002 | 16364-36-6   |
| 6244 | Calcium Saccharate                       | VS-C161000 | 5793-89-5    |
| 6245 | Calcium Gluconate Monohydrate            | VS-C162000 | 66905-23-5   |
| 6246 | Calcium Gluconate                        | VS-C162001 | 299-28-5     |
| 6247 | Campesterol                              | VS-C163000 | 474-62-4     |
| 6248 | Cannabidiol                              | VS-C164000 | 13956-29-1   |
| 6249 | Cannabidiol Ethyl Olivetolate Impurity 1 | VS-C164001 | NA           |
| 6250 | Cannabidiol Impurity 1                   | VS-C164002 | 112639-10-8  |
| 6251 | Cannabidiol Hydroxyquinone               | VS-C164003 | 137252-25-6  |
| 6252 | Cannabidiolic Acid                       | VS-C164004 | 1244-58-2    |
| 6253 | Cannabinol (CBN)                         | VS-C164005 | 521-35-7     |
| 6254 | Cannabidiol Impurity 2                   | VS-C164006 | 500-66-3     |
| 6255 | Delta-8-Tetrahydrocannabinol (D8-THC )   | VS-C164007 | 5957-75-5    |
| 6256 | Cannabidiol Impurity 3                   | VS-C164008 | 23978-85-0   |
| 6257 | Tetrahydrocannabinol                     | VS-C164009 | 03-08-72     |
| 6258 | Cannabidiol C4                           | VS-C164010 | 60113-11-3   |
| 6259 | Cannabidiol Impurity 4                   | VS-C164011 | NA           |
| 6260 | Cannabidiol Impurity 5                   | VS-C164012 | 13956-30-4   |
| 6261 | Cannabidiol Impurity 6                   | VS-C164013 | NA           |
| 6262 | Cannabidiol Ethyl Olivetolate Impurity 2 | VS-C164014 | NA           |
| 6263 | Ethyl Olivetolate                        | VS-C164015 | 38862-65-6   |
| 6264 | Capmatinib 13CD3                         | VS-C165000 | NA           |
| 6265 | Capmatinib                               | VS-C165001 | 1029712-80-8 |
| 6266 | Carbazochrome Sodium Sulfonate           | VS-C166000 | 51460-26-5   |
| 6267 | Carbazochrome Impurity 1                 | VS-C166001 | 2666934-59-2 |
| 6268 | Carbetocin                               | VS-C167000 | 37025-55-1   |
| 6269 | Carbetocin Impurity 1                    | VS-C167001 | 1352167-71-5 |
| 6270 | Carbetocin Impurity 2                    | VS-C167002 | 1631754-27-2 |
| 6271 | Carbetocin Impurity 3                    | VS-C167003 | 69228-04-2   |
| 6272 | D-Cys Carbetocin Impurity                | VS-C167004 | 1515871-10-9 |
| 6273 | Carbimazole                              | VS-C168000 | 22232-54-8   |
| 6274 | Carbimazole EP Impurity A                | VS-C168001 | 60-56-0      |
| 6275 | Caryophyllene Oxide                      | VS-C169000 | 1139-30-6    |
| 6276 | Cascaroside A                            | VS-C170000 | 53823-08-8   |
| 6277 | Cedazuridine                             | VS-C171000 | 1141397-80-9 |
| 6278 | Cefpirome Sulfate                        | VS-C172000 | 98753-19-6   |
| 6279 | Cefradine                                | VS-C173000 | 38821-53-3   |

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| 6280 | Cefradine EP Impurity A              | VS-C173001 | 22252-43-3   |
| 6281 | Cefradine EP Impurity B              | VS-C173002 | 26774-88-9   |
| 6282 | Cefradine EP Impurity E              | VS-C173003 | 215172-75-1  |
| 6283 | Cefradine EP Impurity F              | VS-C173004 | 34876-35-2   |
| 6284 | Cefradine EP Impurity G              | VS-C173005 | 146794-70-9  |
| 6285 | Cefteram                             | VS-C174000 | 82547-58-8   |
| 6286 | Cefteram Pivoxil                     | VS-C174001 | 82547-81-7   |
| 6287 | Ceftobiprole                         | VS-C175000 | 209467-52-7  |
| 6288 | Ceftolozane                          | VS-C176000 | 689293-68-3  |
| 6289 | Cenobamate                           | VS-C177000 | 913088-80-9  |
| 6290 | Cenobamate Impurity 1                | VS-C177001 | 913089-08-4  |
| 6291 | Cenobamate Impurity 2                | VS-C177002 | 1259059-74-9 |
| 6292 | Cenobamate Impurity 3                | VS-C177003 | 1259059-71-6 |
| 6293 | Cenobamate Impurity 4                | VS-C177004 | 913088-92-3  |
| 6294 | Cenobamate Impurity 5                | VS-C177005 | 913088-81-0  |
| 6295 | Cephapirin                           | VS-C178000 | 21593-23-7   |
| 6296 | Desacetyl Cephapirin Sodium Salt     | VS-C178001 | 104557-24-6  |
| 6297 | Cerivastatin Sodium                  | VS-C179000 | 143201-11-0  |
| 6298 | Cetrimide                            | VS-C180000 | 8044-71-1    |
| 6299 | Chlorphenesin                        | VS-C181000 | 104-29-0     |
| 6300 | Chlorpropamide                       | VS-C182000 | 94-20-2      |
| 6301 | N,N'-Dipropylurea                    | VS-C182001 | 623-95-0     |
| 6302 | Chlorpyrifos                         | VS-C183000 | 2921-88-2    |
| 6303 | Chlorquinaldol                       | VS-C184000 | 72-80-0      |
| 6304 | Chlorthion                           | VS-C185000 | 500-28-7     |
| 6305 | Chlorzoxazone                        | VS-C186000 | 95-25-0      |
| 6306 | Chlorzoxazone USP Related Compound A | VS-C186001 | 95-85-2      |
| 6307 | Clascoterone                         | VS-C187000 | 19608-29-8   |
| 6308 | Cloperastine                         | VS-C188000 | 3703-76-2    |
| 6309 | Cloperastine Impurity 1              | VS-C188001 | 2519572-26-8 |
| 6310 | Cloxazolam Impurity 1                | VS-C189000 | 5504-92-7    |
| 6311 | Cloxazolam Impurity 2                | VS-C189001 | 24234-92-2   |
| 6312 | Cloxazolam Impurity 3                | VS-C189002 | 14405-03-9   |
| 6313 | Codeine EP Impurity A                | VS-C190000 | 2859-16-7    |
| 6314 | Codeine EP Impurity B                | VS-C190001 | 57-27-2      |
| 6315 | Codeine EP Impurity C                | VS-C190002 | 121395-47-9  |
| 6316 | Codeine EP Impurity D                | VS-C190003 | 2585669-81-2 |
| 6317 | Codeine EP Impurity E                | VS-C190004 | 1777-89-5    |
| 6318 | Codeine EP Impurity F                | VS-C190005 | 4829-46-3    |
| 6319 | Codeine EP Impurity H                | VS-C190006 | 467-15-2     |
| 6320 | Codeine EP Impurity J                | VS-C190007 | 3688-65-1    |
| 6321 | Codeine EP Impurity K                | VS-C190008 | 508-54-3     |
| 6322 | Codeine EP Impurity M                | VS-C190009 | NA           |
| 6323 | Codeine EP Impurity G                | VS-C190010 | 115-37-7     |
| 6324 | Codeine EP Impurity I                | VS-C190011 | 467-13-0     |
| 6325 | Codeine EP Impurity L                | VS-C190012 | 467-04-9     |
| 6326 | 10-Hydroxy Codeinone                 | VS-C191000 | NA           |



|      |                                                     |            |              |
|------|-----------------------------------------------------|------------|--------------|
| 6327 | Colestipol                                          | VS-C192000 | NA           |
| 6328 | N-Nitroso-Colestipol-1                              | VS-C192001 | NA           |
| 6329 | N-Nitroso-Colestipol-2                              | VS-C192002 | NA           |
| 6330 | N-Nitroso-Colestipol-3                              | VS-C192003 | NA           |
| 6331 | N-Nitroso-Colestipol-4                              | VS-C192004 | NA           |
| 6332 | N-Nitroso-Colestipol-5                              | VS-C192005 | NA           |
| 6333 | Dimyristoyl Phosphatidylcholine-d9                  | VS-C193000 | 71479-88-4   |
| 6334 | Dipalmitoylphosphatidylcholine-d9                   | VS-C193001 | 77165-56-1   |
| 6335 | Colfosceril Palmitate                               | VS-C193002 | 63-89-8      |
| 6336 | Cornigerine                                         | VS-C194000 | 6877-25-4    |
| 6337 | Cortisone                                           | VS-C195000 | 53-06-5      |
| 6338 | Cortisone Phosphate                                 | VS-C195001 | 508-95-2     |
| 6339 | Cosyntropin                                         | VS-C196000 | 16960-16-0   |
| 6340 | Coumarin                                            | VS-C197000 | 91-64-5      |
| 6341 | Pyranocoumarin                                      | VS-C197001 | 518-20-7     |
| 6342 | Creatine Hydrate                                    | VS-C198000 | 6020-87-7    |
| 6343 | Creatine Phosphate Disodium Salt                    | VS-C198001 | 922-32-7     |
| 6344 | Curcumin                                            | VS-C199000 | 458-37-7     |
| 6345 | Demethoxy Curcumin                                  | VS-C199001 | 22608-11-3   |
| 6346 | Tetrahydro Curcumin (Mixture of Tautomeric Isomers) | VS-C199002 | 36062-04-1   |
| 6347 | Cyantraniliprole                                    | VS-C200000 | 736994-63-1  |
| 6348 | Cyantraniliprole Impurity 1                         | VS-C200001 | NA           |
| 6349 | Cyantraniliprole Impurity 2                         | VS-C200002 | 511533-57-6  |
| 6350 | Cyantraniliprole Impurity 3                         | VS-C200003 | 2840171-34-6 |
| 6351 | Cyantraniliprole Impurity 4                         | VS-C200004 | NA           |
| 6352 | Cyantraniliprole Impurity 5                         | VS-C200005 | 2831004-03-4 |
| 6353 | Sodium Cyclamate                                    | VS-C201000 | 139-05-9     |
| 6354 | Cyclamate EP Impurity A                             | VS-C201001 | 5329-14-6    |
| 6355 | Cyclamate EP Impurity B                             | VS-C201002 | 62-53-3      |
| 6356 | Cyclamate EP Impurity C                             | VS-C201003 | 108-91-8     |
| 6357 | Cyclamate EP Impurity D                             | VS-C201004 | 101-83-7     |
| 6358 | N-Nitroso Cyclamate                                 | VS-C201005 | 70365-40-1   |
| 6359 | Cyphenothrin                                        | VS-C202000 | 39515-40-7   |
| 6360 | Cyprodinil-13C6                                     | VS-C203000 | 1773496-63-1 |
| 6361 | Cyprodinil                                          | VS-C203001 | 121552-61-2  |
| 6362 | CataCXium A Pd G3                                   | VS-C204000 | 1651823-59-4 |
| 6363 | Cytisine                                            | VS-C205000 | 485-35-8     |
| 6364 | N-Formyl-Cytisine                                   | VS-C205001 | 53007-06-0   |
| 6365 | Chlorobutanol                                       | VS-C206000 | 57-15-8      |
| 6366 | Chlorobutanol EP Impurity A                         | VS-C206001 | 67-66-3      |
| 6367 | Chlorobutanol EP Impurity B                         | VS-C206002 | 67-64-1      |
| 6368 | Carbazochrome                                       | VS-C207000 | 69-81-8      |
| 6369 | Camphor                                             | VS-C208000 | 76-22-2      |
| 6370 | Epicamphor                                          | VS-C208001 | 10292-98-5   |
| 6371 | Camphor Sulfonic Acid Methyl Ester                  | VS-C208002 | 62319-13-5   |
| 6372 | Camphor sulfonic acid isopropyl ester               | VS-C208003 | 247078-58-6  |
| 6373 | Chondroitin Sulfate Sodium Salt                     | VS-C209000 | 09-07-82     |

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| 6374 | Camylofin Dihydrochloride                     | VS-C210000 | 5892-41-1    |
| 6375 | Camylofin Impurity 1                          | VS-C210001 | NA           |
| 6376 | Candididin                                    | VS-C211000 | 1403-17-4    |
| 6377 | Cannabigerol                                  | VS-C212000 | 25654-31-3   |
| 6378 | Cannabigerolic Acid                           | VS-C212001 | 25555-57-1   |
| 6379 | Carvone                                       | VS-C213000 | 99-49-0      |
| 6380 | (S)-(+)-Carvone                               | VS-C213001 | 2244-16-8    |
| 6381 | Dabigatran                                    | VS-D001000 | 211915-06-9  |
| 6382 | Dabigatran 3-Aminobenzoyl Impurity            | VS-D001001 | 2518220-07-8 |
| 6383 | Dabigatran Acid Cyano Analog                  | VS-D001002 | 212322-77-5  |
| 6384 | Dabigatran Despropionyl Despyridinyl Impurity | VS-D001003 | N/A          |
| 6385 | Dabigatran Despropionyl Impurity              | VS-D001004 | 1015167-33-5 |
| 6386 | Dabigatran Despyridinyl Impurity              | VS-D001005 | N/A          |
| 6387 | Dabigatran Etxilate N-Oxide                   | VS-D001006 | 1381757-44-3 |
| 6388 | Dabigatran Isopropyl Ester Impurity           | VS-D001007 | 1610758-17-2 |
| 6389 | Dabigatran Ethyl Ester                        | VS-D001008 | 211914-50-0  |
| 6390 | Dabigatran Methyl Ester Impurity              | VS-D001009 | 771459-37-1  |
| 6391 | Dabigatran Methylamino Impurity               | VS-D001010 | 212322-56-0  |
| 6392 | Dabigatran Acid                               | VS-D001011 | 211914-51-1  |
| 6393 | N-Methoxycarbonyl Dabigatran Ethyl Ester      | VS-D001012 | 211914-96-4  |
| 6394 | N-Ethoxycarbonyl Dabigatran Ethyl Ester       | VS-D001013 | 1416446-40-6 |
| 6395 | Dabigatran Etxilate Despyridyl Ethyl Ester    | VS-D001014 | 1408238-36-7 |
| 6396 | O-Desethyl Dabigatran Etxilate                | VS-D001015 | 212321-78-3  |
| 6397 | Dabigatran Amido Acid Impurity-D              | VS-D001016 | 2417628-79-4 |
| 6398 | N-(4-Cyanophenyl)glycine                      | VS-D001017 | 42288-26-6   |
| 6399 | Ethyl 3-(2-Pyridylamino)propionate            | VS-D001018 | 103041-38-9  |
| 6400 | Desethyl Dabigatran Etxilate Carboxamide      | VS-D001019 | 1580491-16-2 |
| 6401 | Diaryltriazinone Mesylate                     | VS-D001020 | N/A          |
| 6402 | O-(3-Hexyl) Dabigatran Ethyl Ester            | VS-D001021 | 1610758-22-9 |
| 6403 | O-(2-Heptyl) Dabigatran Ethyl Ester           | VS-D001022 | 1610758-21-8 |
| 6404 | O-Butyl Dabigatran Ethyl Ester                | VS-D001023 | 1416446-43-9 |
| 6405 | Dabigatran Etxilate Isopropyl Ester Analog    | VS-D001024 | 1610758-19-4 |
| 6406 | Dabigatran Etxilate Impurity                  | VS-D001025 | 1643377-48-3 |
| 6407 | Dabigatran Etxilate Dimer                     | VS-D001026 | 2101852-25-7 |
| 6408 | Dabigatran Etxilate Mesylate                  | VS-D001027 | 872728-81-9  |
| 6409 | Dabigatran EP Impurity G                      | VS-D001028 | 1610758-20-7 |
| 6410 | Dabigatran Impurity M                         | VS-D001029 | 1422435-41-3 |
| 6411 | Dabigatran Etxilate Despyridyl Ethyl Ester    | VS-D001030 | 1648817-93-9 |
| 6412 | DBG-3A Dihexyl Mesylate                       | VS-D001031 | N/A          |
| 6413 | Dabigatran Amide Ester Impurity               | VS-D001032 | 1807758-61-7 |
| 6414 | Dabigatran Impurity F                         | VS-D001033 | 211915-07-0  |
| 6415 | 2-Ethylbutyl Chloroformate                    | VS-D001034 | 58906-64-2   |
| 6416 | Dabigatran Stage-II Impurity                  | VS-D001035 | N/A          |
| 6417 | Dabigatran Hydrochloride                      | VS-D001036 | 1019206-66-6 |
| 6418 | Dabigatran Hydrobromide                       | VS-D001037 | 1210812-06-8 |
| 6419 | Dabigatran Sulfate salt                       | VS-D001038 | 1210812-15-9 |
| 6420 | 2-Heptyl Chloroformate                        | VS-D001039 | 290819-03-3  |

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| 6421 | Dabigatran $\beta$ -Acyl Glucuronide                                                                                  | VS-D001040 | 1015167-40-4 |
| 6422 | Dabigatran Desamino Pyridine Chloro Impurity                                                                          | VS-D001041 | 1681013-28-4 |
| 6423 | Dabigatran Desamino Pyridine Hydroxy Impurity                                                                         | VS-D001042 | 1020718-28-8 |
| 6424 | Dabigatran Impurity 1                                                                                                 | VS-D001043 | 2225986-94-5 |
| 6425 | Dabigatran Impurity 3                                                                                                 | VS-D001044 | 211915-84-3  |
| 6426 | Dabigatran JPBA Impurity 5                                                                                            | VS-D001045 | 1408238-37-8 |
| 6427 | Dabigatran Impurity 6                                                                                                 | VS-D001046 | N/A          |
| 6428 | Dabigatran Impurity 6 (DABRC-06)                                                                                      | VS-D001047 | N/A          |
| 6429 | Dabigatran Impurity 7                                                                                                 | VS-D001048 | N/A          |
| 6430 | Desiminomethyl Carbonyl Dabigatran Etexilate                                                                          | VS-D001049 | 1408238-40-3 |
| 6431 | Dabigatran Impurity 8                                                                                                 | VS-D001050 | 429659-01-8  |
| 6432 | Dabigatran Impurity 8 (DABRC-08)                                                                                      | VS-D001051 | 1637238-96-0 |
| 6433 | Dabigatran Impurity 9                                                                                                 | VS-D001052 | 1408238-41-4 |
| 6434 | Dabigatran Impurity 9 (DABRC-09)                                                                                      | VS-D001053 | 211915-00-3  |
| 6435 | Dabigatran Impurity 10                                                                                                | VS-D001054 | 211916-39-1  |
| 6436 | Dabigatran Impurity 13                                                                                                | VS-D001055 | 1304574-20-6 |
| 6437 | Dabigatran Impurity 11                                                                                                | VS-D001056 | 1848337-06-3 |
| 6438 | Dabigatran Impurity 12                                                                                                | VS-D001057 | N/A          |
| 6439 | Dabigatran Impurity 14                                                                                                | VS-D001058 | N/A          |
| 6440 | Dabigatran Impurity 15                                                                                                | VS-D001059 | N/A          |
| 6441 | Dabigatran Impurity 16                                                                                                | VS-D001060 | 1702936-92-2 |
| 6442 | Dabigatran Impurity 17                                                                                                | VS-D001061 | 1416446-45-1 |
| 6443 | Dabigatran Impurity 18                                                                                                | VS-D001062 | N/A          |
| 6444 | Dabigatran Impurity 19                                                                                                | VS-D001063 | 2096992-14-0 |
| 6445 | Dabigatran Impurity 20                                                                                                | VS-D001064 | 1421487-27-5 |
| 6446 | Dabigatran Impurity 21                                                                                                | VS-D001065 | N/A          |
| 6447 | Dabigatran Impurity 22                                                                                                | VS-D001066 | N/A          |
| 6448 | Dabigatran Impurity 23                                                                                                | VS-D001067 | 1900865-84-0 |
| 6449 | Dabigatran Impurity 24                                                                                                | VS-D001068 | 1899045-28-3 |
| 6450 | Dabigatran Impurity 25                                                                                                | VS-D001069 | N/A          |
| 6451 | Dabigatran Impurity 26                                                                                                | VS-D001070 | 1253792-34-5 |
| 6452 | Dabigatran Impurity 27                                                                                                | VS-D001071 | N/A          |
| 6453 | Dabigatran Impurity 28                                                                                                | VS-D001072 | 1381853-11-7 |
| 6454 | Dabigatran Impurity 29                                                                                                | VS-D001073 | N/A          |
| 6455 | Dabigatran Impurity 30                                                                                                | VS-D001074 | 2688571-04-0 |
| 6456 | Dabigatran Impurity 31                                                                                                | VS-D001075 | N/A          |
| 6457 | Dabigatran Impurity 32                                                                                                | VS-D001076 | 1632033-05-6 |
| 6458 | Dabigatran Impurity 33                                                                                                | VS-D001077 | 1020718-30-2 |
| 6459 | Dabigatran Impurity 34                                                                                                | VS-D001078 | N/A          |
| 6460 | Dabigatran Impurity 35                                                                                                | VS-D001079 | 1417864-23-3 |
| 6461 | DABIGATRAN ETEXILATE MESILATE - IMPURITY B                                                                            | VS-D001080 | 429658-95-7  |
| 6462 | Dabigatran etexilate Impurity S                                                                                       | VS-D001081 | 1415901-84-6 |
| 6463 | Dabigatran Heptyl Oxy Impurity                                                                                        | VS-D001082 | NA           |
| 6464 | Dabigatran Impurity 43                                                                                                | VS-D001083 | 58906-62-0   |
| 6465 | Dabigatran Impurity 39                                                                                                | VS-D001084 | 41263-74-5   |
| 6466 | Dabigatran( Ethyl 2-(((4-carbamimidoylphenyl)amino)methyl)-1-methyl-1H-benzo[d]imidazole-5-carboxylate Hydrochloride) | VS-D001085 | 1422435-39-9 |

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| 6467 | Dabigatran Nitrosamine Impurity           | VS-D001086 | NA           |
| 6468 | Dabigatran Nitroso Impurity 1             | VS-D001087 | NA           |
| 6469 | Dabigatran Amide Nitroso Impurity         | VS-D001088 | NA           |
| 6470 | Dabigatran Nitroso Impurity 3             | VS-D001089 | NA           |
| 6471 | Dabigatran Nitroso Impurity 7             | VS-D001090 | NA           |
| 6472 | Dabigatran Nitroso Impurity 18            | VS-D001091 | NA           |
| 6473 | Dabigatran Impurity 40                    | VS-D001092 | NA           |
| 6474 | Dabigatran Impurity 41                    | VS-D001093 | NA           |
| 6475 | Dabigatran Impurity 42                    | VS-D001094 | 59748-90-2   |
| 6476 | Dabigatran Impurity 44                    | VS-D001095 | 27003-05-0   |
| 6477 | Dabigatran USP related compound C         | VS-D001096 | 1873316-01-8 |
| 6478 | Dabigatran Nitroso Impurity               | VS-D001097 | NA           |
| 6479 | Dabigatran Etxilate Deshexyl Impurity     | VS-D001098 | NA           |
| 6480 | Dabigatran Propyl Impurity                | VS-D001099 | NA           |
| 6481 | Dabigatran Impurity 45                    | VS-D001100 | 1642853-67-5 |
| 6482 | Dacarbazine                               | VS-D002000 | 04-03-42     |
| 6483 | Dacarbazine EP Impurity A                 | VS-D002001 | 4656-86-4    |
| 6484 | Dacarbazine EP Impurity B                 | VS-D002002 | 72-40-2      |
| 6485 | Dacarbazine EP Impurity C                 | VS-D002003 | 1314929-56-0 |
| 6486 | Dacarbazine EP Impurity D                 | VS-D002004 | 124-40-3     |
| 6487 | Dacarbazine Lactose Adduct Impurity       | VS-D002005 | N/A          |
| 6488 | Daclatasvir                               | VS-D003000 | 1009119-64-5 |
| 6489 | Daclatasvir Dihydrochloride               | VS-D003001 | 1009119-65-6 |
| 6490 | Daclatasvir RSSR Isomer                   | VS-D003002 | 1009107-27-0 |
| 6491 | Daclatasvir SRRS Isomer                   | VS-D003003 | 1009117-26-3 |
| 6492 | Daclatasvir RRRR Isomer Enantiomer        | VS-D003004 | 1417333-58-4 |
| 6493 | Daclatasvir SS Isomer                     | VS-D003005 | 1228552-27-9 |
| 6494 | Daclatasvir RR Isomer                     | VS-D003006 | N/A          |
| 6495 | Daclatasvir RSSS Isomer                   | VS-D003007 | N/A          |
| 6496 | Daclatasvir RRSR Isomer                   | VS-D003008 | N/A          |
| 6497 | Daclatasvir RRRS Isomer                   | VS-D003009 | N/A          |
| 6498 | Daclatasvir RS isomer                     | VS-D003010 | N/A          |
| 6499 | Daclatasvir SR isomer                     | VS-D003011 | N/A          |
| 6500 | Daclatasvir SRRR Isomer                   | VS-D003012 | N/A          |
| 6501 | Daclatasvir SSRS Isomer                   | VS-D003013 | 1009117-28-5 |
| 6502 | Daclatasvir SSSR Isomer                   | VS-D003014 | N/A          |
| 6503 | Daclatasvir SSRR- Isomer                  | VS-D003015 | 1009117-94-5 |
| 6504 | L-Valine Methyl Chloroformate Chain       | VS-D003016 | N/A          |
| 6505 | Daclatasvir Impurity A                    | VS-D003017 | 1007884-60-7 |
| 6506 | Daclatasvir Impurity B                    | VS-D003018 | N/A          |
| 6507 | Daclatasvir Impurity C                    | VS-D003019 | 1256385-55-3 |
| 6508 | Daclatasvir Impurity F                    | VS-D003020 | 2077207-88-4 |
| 6509 | Daclatasvir Impurity G                    | VS-D003021 | N/A          |
| 6510 | Daclatasvir Impurity L                    | VS-D003022 | 787-69-9     |
| 6511 | Daclatasvir Impurity Q                    | VS-D003023 | N/A          |
| 6512 | Daclatasvir SSRR- Isomer 2HCl             | VS-D003024 | N/A          |
| 6513 | Daclatasvir RRRR Isomer Enantiomer (2HCl) | VS-D003025 | N/A          |

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| 6514 | Daclatasvir Impurity 1                  | VS-D003026 | 24860-53-5   |
| 6515 | Daclatasvir Impurity 2                  | VS-D003027 | 15761-39-4   |
| 6516 | Daclatasvir Impurity 3                  | VS-D003028 | 1009119-82-7 |
| 6517 | Daclatasvir Impurity 4                  | VS-D003029 | 1007882-23-6 |
| 6518 | Daclatasvir Impurity 5                  | VS-D003030 | 1009119-83-8 |
| 6519 | Daclatasvir Impurity 6                  | VS-D003031 | 74761-42-5   |
| 6520 | Daclatasvir Impurity 7                  | VS-D003032 | 4072-67-7    |
| 6521 | Daclatasvir Impurity 8                  | VS-D003033 | N/A          |
| 6522 | Daclatasvir Impurity 9                  | VS-D003034 | 1447744-93-5 |
| 6523 | Daclatasvir Impurity 10                 | VS-D003035 | 2244108-06-1 |
| 6524 | Mono Impurity of Daclatasvir            | VS-D003036 | 135-73-9     |
| 6525 | Dacomitinib                             | VS-D004000 | 1110813-31-4 |
| 6526 | Dacomitinib Impurity 1                  | VS-D004001 | 2190490-31-2 |
| 6527 | Dalbavancin                             | VS-D005000 | 171500-79-1  |
| 6528 | Dalbavancin Impurity 1                  | VS-D005001 | N/A          |
| 6529 | Dalbavancin Impurity 2                  | VS-D005002 | N/A          |
| 6530 | Dalbavancin Impurity 3                  | VS-D005003 | N/A          |
| 6531 | Dalbavancin Impurity 4                  | VS-D005004 | N/A          |
| 6532 | Dalbavancin Impurity 5                  | VS-D005005 | N/A          |
| 6533 | Dalfampridine                           | VS-D006000 | 504-24-5     |
| 6534 | Dalfampridine USP Related Compound A    | VS-D006001 | 133879-48-8  |
| 6535 | Dalfampridine USP Related Compound B    | VS-D006002 | 84539-34-4   |
| 6536 | Dalfampridine USP Related Compound C    | VS-D006003 | 39642-87-0   |
| 6537 | Dalfampridine N-Oxide                   | VS-D006004 | 3535-75-9    |
| 6538 | Dalfampridine Methylene Bridge          | VS-D006005 | 4589-32-6    |
| 6539 | Dantrolene                              | VS-D007000 | 7261-97-4    |
| 6540 | 5-Hydroxy Dantrolene                    | VS-D007001 | 52130-25-3   |
| 6541 | 5-Hydroxy Dantrolene Glucuronide        | VS-D007002 | N/A          |
| 6542 | 5-Hydroxy Dantrolene Sulfate            | VS-D007003 | N/A          |
| 6543 | Dantrolene USP Related Compound A       | VS-D007004 | 301359-05-7  |
| 6544 | Dantrolene USP Related Compound B       | VS-D007005 | 57268-33-4   |
| 6545 | Dantrolene USP Related Compound C       | VS-D007006 | 7147-77-5    |
| 6546 | Dantrolene Impurity 1                   | VS-D007007 | N/A          |
| 6547 | Dantrolene Impurity 3                   | VS-D007008 | 55227-60-6   |
| 6548 | Dantrolene Impurity 4                   | VS-D007009 | N/A          |
| 6549 | Dapagliflozin                           | VS-D008000 | 461432-26-8  |
| 6550 | Dapagliflozin USP Related Compound A    | VS-D008001 | 1807632-95-6 |
| 6551 | Dapagliflozin Deschloro Impurity        | VS-D008002 | 2444702-80-9 |
| 6552 | Dapagliflozin Methoxy Pyranose Impurity | VS-D008003 | 714269-57-5  |
| 6553 | Dapagliflozin Tetraacetate              | VS-D008004 | 461432-25-7  |
| 6554 | Dapagliflozin Bromo impurity            | VS-D008005 | 461432-23-5  |
| 6555 | Dapagliflozin Impurity B                | VS-D008006 | 1662702-90-0 |
| 6556 | Dapagliflozin Impurity 4                | VS-D008007 | 461432-24-6  |
| 6557 | Dapagliflozin Impurity D                | VS-D008008 | 1373321-04-0 |
| 6558 | Dapagliflozin Ortho Isomer              | VS-D008009 | 2040305-05-1 |
| 6559 | Dapagliflozin Dibromo compound          | VS-D008010 | 1807632-93-4 |
| 6560 | Dapagliflozin Bromomethanone            | VS-D008011 | 461432-22-4  |

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| 6561 | Dapagliflozin TNG                           | VS-D008012 | 714269-58-6  |
| 6562 | Dapagliflozin Furanose Isomer               | VS-D008013 | 1469910-70-0 |
| 6563 | Dapagliflozin Hydroxy Impurity              | VS-D008014 | 960404-86-8  |
| 6564 | MonoAcetyl Dapagliflozin                    | VS-D008015 | 1632287-34-3 |
| 6565 | Dapagliflozin Dimer Impurity                | VS-D008016 | N/A          |
| 6566 | Dapagliflozin Open Ring Impurity            | VS-D008017 | N/A          |
| 6567 | Dapagliflozin Impurity-S2E (Tri acetylated) | VS-D008018 | 1443341-94-3 |
| 6568 | Dapagliflozin Impurity S2A                  | VS-D008019 | N/A          |
| 6569 | Dapagliflozin Impurity S3A                  | VS-D008020 | N/A          |
| 6570 | Dapagliflozin Bromo Keto Impurity           | VS-D008021 | 1404477-10-6 |
| 6571 | Dapagliflozin Dimer Impurity (Compound 4)   | VS-D008022 | 2452300-79-5 |
| 6572 | Dapagliflozin Propanediol Monohydrate       | VS-D008023 | 960404-48-2  |
| 6573 | O-Pentaacetyl O-Desethyl Dapagliflozin      | VS-D008024 | 912917-85-2  |
| 6574 | N- Butyl Dapagliflozin Impurity             | VS-D008025 | N/A          |
| 6575 | Dapagliflozin Impurity 1                    | VS-D008026 | 1103738-29-9 |
| 6576 | Dapagliflozin Impurity 2                    | VS-D008027 | 1280647-32-6 |
| 6577 | Dapagliflozin Impurity 3                    | VS-D008028 | 2176485-21-3 |
| 6578 | Dapagliflozin Impurity 5                    | VS-D008029 | N/A          |
| 6579 | Dapagliflozin Impurity 7                    | VS-D008030 | N/A          |
| 6580 | Dapagliflozin Impurity 8                    | VS-D008031 | N/A          |
| 6581 | Dapagliflozin Impurity 9                    | VS-D008032 | N/A          |
| 6582 | Dapagliflozin Impurity 10                   | VS-D008033 | N/A          |
| 6583 | Dapagliflozin Impurity 11                   | VS-D008034 | 2452300-92-2 |
| 6584 | Dapagliflozin Impurity 12                   | VS-D008035 | 1204222-85-4 |
| 6585 | Dapagliflozin Impurity 13                   | VS-D008036 | 864070-37-1  |
| 6586 | Dapagliflozin Impurity 14                   | VS-D008037 | 1830346-16-1 |
| 6587 | Dapagliflozin Impurity 15                   | VS-D008038 | 2169998-23-4 |
| 6588 | Dapagliflozin Impurity 16                   | VS-D008039 | N/A          |
| 6589 | Dapagliflozin Impurity 17                   | VS-D008040 | 2133407-75-5 |
| 6590 | Dapagliflozin Impurity 18                   | VS-D008041 | N/A          |
| 6591 | Dapagliflozin Impurity 19                   | VS-D008042 | 2133407-73-3 |
| 6592 | Dapagliflozin Impurity 20                   | VS-D008043 | 1713991-97-9 |
| 6593 | Dapagliflozin Impurity 21                   | VS-D008044 | 2040305-09-5 |
| 6594 | Dapagliflozin Impurity 22                   | VS-D008045 | 1469910-83-5 |
| 6595 | Dapagliflozin Impurity 23                   | VS-D008046 | 2452300-78-4 |
| 6596 | Dapagliflozin Impurity 24                   | VS-D008047 | N/A          |
| 6597 | Dapagliflozin Impurity 25                   | VS-D008048 | N/A          |
| 6598 | Dapagliflozin Impurity 26                   | VS-D008049 | N/A          |
| 6599 | Ethyl Dapagliflozin Impurity                | VS-D008050 | N/A          |
| 6600 | Dapagliflozin Impurity 28                   | VS-D008051 | N/A          |
| 6601 | Dapagliflozin Impurity 29                   | VS-D008052 | 1415905-91-7 |
| 6602 | Dapagliflozin Impurity 30                   | VS-D008053 | 2100872-88-4 |
| 6603 | Dapagliflozin Impurity 31                   | VS-D008054 | 2069934-29-6 |
| 6604 | Dapagliflozin Impurity 32                   | VS-D008055 | N/A          |
| 6605 | Dapagliflozin Impurity 33                   | VS-D008056 | 1888296-95-4 |
| 6606 | Dapagliflozin Impurity 34                   | VS-D008057 | 1408245-02-2 |
| 6607 | (2-chlorophenyl)(4-ethoxyphenyl)methanone   | VS-D008058 | 525561-43-7  |

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| 6608 | Dapagliflozin Impurity 41              | VS-D008059 | 66534-31-4    |
| 6609 | Dapagliflozin Impurity 39              | VS-D008060 | 864070-18-8   |
| 6610 | Dapagliflozin Impurity 40              | VS-D008061 | 29643-62-7    |
| 6611 | Dapagliflozin desethoxy impurity       | VS-D008062 | 1185339-44-9  |
| 6612 | Dapagliflozin D5                       | VS-D008063 | 1204219-80-6  |
| 6613 | (R)-propane-1,2-diol                   | VS-D008064 | 4254-14-2     |
| 6614 | Dapagliflozin D7                       | VS-D008065 | 1204219-51-1  |
| 6615 | Dapoxetine HCl                         | VS-D009001 | 129938-20-1   |
| 6616 | Dapoxetine Hhydroxy Impurity           | VS-D009002 | 156453-53-1   |
| 6617 | N-Didesmethyl Dapoxetine Hydrochloride | VS-D009003 | 2095189-99-2  |
| 6618 | Dapoxetine N-Oxide                     | VS-D009004 | 1346603-24-4  |
| 6619 | Dapoxetine Impurity A                  | VS-D009005 | 908291-72-5   |
| 6620 | Dapoxetine HCl [R-Isomer]              | VS-D009006 | 156453-51-9   |
| 6621 | Dapoxetine N-Oxide Hydrochloride       | VS-D009007 | N/A           |
| 6622 | rac N-demethyl dapoxetine              | VS-D009008 | 119357-18-5   |
| 6623 | N-Desmethyl Dapoxetine Hydrochloride   | VS-D009009 | 157166-71-7   |
| 6624 | Dapoxetine Hydrochloride Impurity 1    | VS-D009010 | 82769-75-3    |
| 6625 | Dapoxetine Impurity 2                  | VS-D009011 | 119356-76-2   |
| 6626 | Dapoxetine                             | VS-D009012 | 119356-77-3   |
| 6627 | Dapoxetine impurity                    | VS-D009013 | 2242008-37-1  |
| 6628 | Dapoxetine-d6 Hydrochloride            | VS-D009014 | 1246814-76-5  |
| 6629 | Dapsone                                | VS-D010000 | 80-08-0       |
| 6630 | Dapsone Hydroxylamine                  | VS-D010001 | 32695-27-5    |
| 6631 | Dapsone Monoacetyl                     | VS-D010002 | 565-20-8      |
| 6632 | Dapsone Dimer Impurity                 | VS-D010003 | N/A           |
| 6633 | Dapsone 4-Hydroxyamino Impurity        | VS-D010004 | 872811-58-0   |
| 6634 | Dapsone Impurity 1                     | VS-D010005 | 80-00-2       |
| 6635 | Dapsone Impurity 2                     | VS-D010006 | 7146-68-1     |
| 6636 | Dapsone Impurity 3                     | VS-D010007 | 25963-47-7    |
| 6637 | Dapsone Impurity 4                     | VS-D010008 | 01-04-19 0:00 |
| 6638 | Dapsone Impurity 5                     | VS-D010009 | 27147-69-9    |
| 6639 | Dapsone Impurity 6                     | VS-D010010 | 54616-64-7    |
| 6640 | Dapsone Impurity 7                     | VS-D010011 | 22100-66-9    |
| 6641 | Dapsone Impurity 8                     | VS-D010012 | 14665-52-2    |
| 6642 | Dapsone Impurity 9                     | VS-D010013 | 53347-49-2    |
| 6643 | Dapsone Impurity 10                    | VS-D010014 | 116435-84-8   |
| 6644 | Dapsone Impurity 11                    | VS-D010015 | 80-07-9       |
| 6645 | Dapsone Impurity 12                    | VS-D010016 | 80-09-1       |
| 6646 | Dapsone Impurity 13                    | VS-D010017 | 599-61-1      |
| 6647 | Dapsone Impurity 14                    | VS-D010018 | 53347-49-2    |
| 6648 | Dapsone Impurity 15                    | VS-D010019 | 34262-32-3    |
| 6649 | Dapsone Impurity 16                    | VS-D010020 | 148301-96-6   |
| 6650 | Dapsone Impurity 17                    | VS-D010021 | 90309-26-5    |
| 6651 | Dapsone Impurity 18                    | VS-D010022 | 23929-35-3    |
| 6652 | Dapsone Impurity 19                    | VS-D010023 | N/A           |
| 6653 | Dapsone Impurity 20                    | VS-D010024 | N/A           |
| 6654 | Dapsone Lactose Adduct                 | VS-D010025 | N/A           |

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| 6655 | Dapsone EP Impurity B                       | VS-D010026 | 04-01-19    |
| 6656 | Daptomycin                                  | VS-D011000 | 103060-53-3 |
| 6657 | Daptomycin beta-Isomer                      | VS-D011001 | 123180-72-3 |
| 6658 | Daptomycin Anhydro Impurity                 | VS-D011002 | 121869-35-0 |
| 6659 | Daptomycin Lactone Open Ring Impurity       | VS-D011003 | N/A         |
| 6660 | Hydroxy-derivative of Daptomycin            | VS-D011004 | N/A         |
| 6661 | Isodecyl isomer of Daptomycin               | VS-D011005 | N/A         |
| 6662 | Ethyl Isomer of Daptomycin                  | VS-D011006 | N/A         |
| 6663 | Polyoxyethylene tridecyl ether              | VS-D011007 | 78330-21-9  |
| 6664 | Polyoxyethylene lauryl ether                | VS-D011008 | 9002-92-0   |
| 6665 | Daptomycin Impurity A                       | VS-D011009 | N/A         |
| 6666 | Daptomycin Impurity B                       | VS-D011010 | N/A         |
| 6667 | Daptomycin Impurity D                       | VS-D011011 | N/A         |
| 6668 | Daptomycin Impurity E                       | VS-D011012 | N/A         |
| 6669 | Daptomycin Impurity 1                       | VS-D011013 | N/A         |
| 6670 | Daptomycin Impurity 2                       | VS-D011014 | N/A         |
| 6671 | Daptomycin Impurity 3                       | VS-D011015 | N/A         |
| 6672 | Daptomycin Impurity 4                       | VS-D011016 | N/A         |
| 6673 | Daptomycin Impurity 5                       | VS-D011017 | N/A         |
| 6674 | Daptomycin Impurity 6                       | VS-D011018 | N/A         |
| 6675 | Daptomycin Impurity 7                       | VS-D011019 | N/A         |
| 6676 | Daptomycin Impurity 8                       | VS-D011020 | N/A         |
| 6677 | Daptomycin Impurity 9                       | VS-D011021 | N/A         |
| 6678 | Daptomycin Impurity 10                      | VS-D011022 | N/A         |
| 6679 | Daptomycin Impurity 11                      | VS-D011023 | N/A         |
| 6680 | Daptomycin Impurity 12                      | VS-D011024 | N/A         |
| 6681 | Daptomycin Impurity 13                      | VS-D011025 | 866822-35-7 |
| 6682 | Daptomycin Impurity 14                      | VS-D011026 | N/A         |
| 6683 | Daptomycin Impurity 15                      | VS-D011027 | N/A         |
| 6684 | Daptomycin Impurity 16                      | VS-D011028 | N/A         |
| 6685 | Daptomycin Impurity 17                      | VS-D011029 | N/A         |
| 6686 | Daptomycin Impurity 18                      | VS-D011030 | N/A         |
| 6687 | Daptomycin Impurity 19                      | VS-D011031 | N/A         |
| 6688 | Daptomycin Impurity 20                      | VS-D011032 | N/A         |
| 6689 | Daptomycin Impurity 21                      | VS-D011033 | N/A         |
| 6690 | Daptomycin Impurity 22                      | VS-D011034 | N/A         |
| 6691 | Daptomycin Impurity 23                      | VS-D011035 | 883991-21-7 |
| 6692 | Darifenacin                                 | VS-D012000 | 133099-04-4 |
| 6693 | Darifenacin R-Isomer                        | VS-D012001 | N/A         |
| 6694 | Darifenacin Pyrrolidine Impurity (S)-Isomer | VS-D012002 | 134002-26-9 |
| 6695 | Darifenacin 5-Carboxymethyl Impurity        | VS-D012003 | 69999-16-2  |
| 6696 | Darifenacin Cyano Pyrrolidine Impurity      | VS-D012004 | 871505-23-6 |
| 6697 | Darifenacin DBE Isomer                      | VS-D012005 | N/A         |
| 6698 | Darifenacin Bromo Impurity                  | VS-D012006 | 127264-14-6 |
| 6699 | Darifenacin 3-Hydroxy Impurity              | VS-D012007 | 206048-82-0 |
| 6700 | Darifenacin Hydrobromide                    | VS-D012008 | 133099-07-7 |
| 6701 | Darifenacin Dimer-1 Impurity                | VS-D012009 | N/A         |



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| 6702 | Darifenacin Dimer-2 Impurity                    | VS-D012010 | 2280857-32-9 |
| 6703 | Darifenacin Nitrile Impurity                    | VS-D012011 | N/A          |
| 6704 | Darifenacin Pyrrolidine Impurity Racemate       | VS-D012012 | 103887-32-7  |
| 6705 | Darifenacin Cyano t-BOC Impurity                | VS-D012013 | 1159977-31-7 |
| 6706 | Darifenacin 2,3-Dehydro Bromo Impurity          | VS-D012014 | 133034-06-7  |
| 6707 | Darifenacin 4-Hydroxy Impurity                  | VS-D012015 | 2468796-89-4 |
| 6708 | Darifenacin 7-Bromo Analog                      | VS-D012016 | 1391080-43-5 |
| 6709 | Darifenacin 7-Bromoethyl Impurity               | VS-D012017 | 1598271-92-1 |
| 6710 | Darifenacin Carboxylic Acid Impurity            | VS-D012018 | 1048979-16-3 |
| 6711 | Darifenacin N-Oxide Impurity                    | VS-D012019 | 1391080-40-2 |
| 6712 | Darifenacin Pyrrolidin Carboxylic Acid Impurity | VS-D012020 | 1050646-75-7 |
| 6713 | Darifenacin Pyrrolidinium Dimer Impurity        | VS-D012021 | 1396968-57-2 |
| 6714 | Darifenacin Vinylbenzofuran Impurity            | VS-D012022 | 633335-98-5  |
| 6715 | Darifenacin Impurity (UK-156961)                | VS-D012023 | 206048-83-1  |
| 6716 | Darifenacin Oxidized Impurity                   | VS-D012024 | 133033-99-5  |
| 6717 | Darifenacin Impurity B                          | VS-D012025 | 136081-60-2  |
| 6718 | Darifenacin Impurity D                          | VS-D012026 | N/A          |
| 6719 | Darifenacin Impurity E                          | VS-D012027 | 1797983-04-0 |
| 6720 | Darifenacin Impurity H                          | VS-D012028 | N/A          |
| 6721 | Darifenacin Vinyl Impurity (UK-201705)          | VS-D012029 | 1048979-09-4 |
| 6722 | 1-Tosyl-(3S)-hydroxy pyrrolidine                | VS-D012030 | 133034-00-1  |
| 6723 | 1-Tosyl-(3S)-tosyloxy pyrrolidine               | VS-D012031 | 133034-02-3  |
| 6724 | Darifenacin Morpholine Amide Impurity           | VS-D012032 | 97483-11-9   |
| 6725 | Darifenacin KSM-I A                             | VS-D012033 | 90843-31-5   |
| 6726 | Darifenacin KSM-II C precursor                  | VS-D012034 | 943587-25-5  |
| 6727 | Darifenacin KSM-II B precursor                  | VS-D012035 | 133034-01-2  |
| 6728 | 2,3-Dihydro-5-vinylbenzofuran                   | VS-D012036 | 633335-97-4  |
| 6729 | Darifenacin Amide Impurity                      | VS-D012037 | 134002-25-8  |
| 6730 | Darifenacin EP Impurity H                       | VS-D012038 | N/A          |
| 6731 | Darifenacin KSM-II E                            | VS-D012039 | 1207849-19-1 |
| 6732 | Darifenacin Recemic Mixture                     | VS-D012040 | 133033-93-9  |
| 6733 | Bromo Darifenacin impurity                      | VS-D012041 | N/A          |
| 6734 | Darifenacin Impurity 1                          | VS-D012042 | 133099-09-9  |
| 6735 | Darifenacin Impurity 2                          | VS-D012043 | 133099-10-2  |
| 6736 | Darifenacin Impurity 3                          | VS-D012044 | 86-29-3      |
| 6737 | Darifenacin Impurity 5                          | VS-D012045 | N/A          |
| 6738 | Darifenacin Impurity 6                          | VS-D012046 | 133034-07-8  |
| 6739 | Darifenacin Impurity 7                          | VS-D012047 | N/A          |
| 6740 | Darifenacin Impurity 8                          | VS-D012048 | 87776-76-9   |
| 6741 | Darifenacin Impurity 9                          | VS-D012049 | 142935-60-2  |
| 6742 | Darifenacin Impurity 10                         | VS-D012050 | 1092540-94-7 |
| 6743 | Darifenacin Impurity 11                         | VS-D012051 | 1048979-15-2 |
| 6744 | Darifenacin Impurity 12                         | VS-D012052 | N/A          |
| 6745 | Darifenacin Impurity 13                         | VS-D012053 | 194602-27-2  |
| 6746 | Darifenacin Nitrile Impurity                    | VS-D012054 | 252317-48-9  |
| 6747 | Darifenacin Hydrochloride                       | VS-D012055 | 586346-94-3  |
| 6748 | Darifenacin Impurity-A                          | VS-D012056 | N/A          |

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| 6749 | Darifenacin Impurity-B                     | VS-D012057 | 127264-14-6  |
| 6750 | Darolutamide                               | VS-D013000 | 1297538-32-9 |
| 6751 | Darolutamide Pyrazol benzonitrile Impurity | VS-D013001 | 1297537-37-1 |
| 6752 | Darolutamide Amide Impurity                | VS-D013002 | 1297537-33-7 |
| 6753 | Darolutamide Pyrazol butyl Impurity        | VS-D013003 | 2415967-06-3 |
| 6754 | Darolutamide Impurity 1                    | VS-D013004 | 2407645-49-0 |
| 6755 | Darunavir                                  | VS-D014000 | 206361-99-1  |
| 6756 | Darunavir Impurity A                       | VS-D014001 | 169280-56-2  |
| 6757 | Darunavir Impurity B                       | VS-D014002 | N/A          |
| 6758 | Darunavir Impurity D                       | VS-D014003 | N/A          |
| 6759 | Hydroxy Darunavir                          | VS-D014004 | 1809154-88-8 |
| 6760 | 3'-Hydroxy Darunavir                       | VS-D014005 | 1159613-24-7 |
| 6761 | Darunavir-N-Glucuronide                    | VS-D014006 | 1159613-25-8 |
| 6762 | Darunavir-O-Glucuronide                    | VS-D014007 | 1159613-27-0 |
| 6763 | Darunavir Ethanolate                       | VS-D014008 | 635728-49-3  |
| 6764 | BIS THF HNS Derivative 1                   | VS-D014009 | 253265-98-4  |
| 6765 | BIS THF HNS Derivative 2                   | VS-D014010 | 799241-85-3  |
| 6766 | BIS THF HNS Derivative 3                   | VS-D014011 | 799241-86-4  |
| 6767 | BIS THF HNS Derivative 4                   | VS-D014012 | 253265-97-3  |
| 6768 | DNV-II Impurity 1                          | VS-D014013 | 1005324-46-8 |
| 6769 | DNV-II Impurity 2                          | VS-D014014 | 1133153-38-4 |
| 6770 | Darunavir Impurity A Enantiomer            | VS-D014015 | 1402142-62-4 |
| 6771 | D-(+)-Darunavir                            | VS-D014016 | 1399859-60-9 |
| 6772 | (1R,2S)-Darunavir                          | VS-D014017 | 1402142-63-5 |
| 6773 | Darunavir Difurofuramethyl Impurity        | VS-D014018 | N/A          |
| 6774 | Darunavir Isomer-3 Impurity                | VS-D014019 | 799241-73-9  |
| 6775 | Darunavir Isomer-4 Impurity                | VS-D014020 | 799241-75-1  |
| 6776 | Darunavir Isomer-5 Impurity                | VS-D014021 | 799241-74-0  |
| 6777 | 2-epi-Darunavir                            | VS-D014022 | 850141-19-4  |
| 6778 | N'-Bis THF Darunavir                       | VS-D014023 | 1971057-59-6 |
| 6779 | Darunavir Difurofuranyl Impurity           | VS-D014024 | N/A          |
| 6780 | 1-epi-Darunavir                            | VS-D014025 | 1546918-95-9 |
| 6781 | Darunavir Impurity 1                       | VS-D014026 | N/A          |
| 6782 | Darunavir Impurity 2                       | VS-D014027 | N/A          |
| 6783 | Darunavir Impurity 3 (Amino Dimer)         | VS-D014028 | N/A          |
| 6784 | Darunavir Impurity 4                       | VS-D014029 | 1291087-81-4 |
| 6785 | Darunavir Impurity 5                       | VS-D014030 | 1526916-56-2 |
| 6786 | Darunavir Impurity 6                       | VS-D014031 | 1526916-57-3 |
| 6787 | Darunavir Impurity 7 (SS)                  | VS-D014032 | 192800-79-6  |
| 6788 | Darunavir Impurity 8 (RR)                  | VS-D014033 | N/A          |
| 6789 | Darunavir Impurity 9                       | VS-D014034 | 866594-61-8  |
| 6790 | Darunavir Impurity 10                      | VS-D014035 | 1932330-83-0 |
| 6791 | Darunavir Impurity 11                      | VS-D014036 | 1932353-11-1 |
| 6792 | Darunavir Impurity 12                      | VS-D014037 | 866594-60-7  |
| 6793 | Darunavir Impurity 13 (SS)                 | VS-D014038 | 156636-67-8  |
| 6794 | Darunavir Impurity (RR)                    | VS-D014039 | 501921-23-9  |
| 6795 | Darunavir Impurity 14                      | VS-D014040 | 143224-62-8  |

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| 6796 | Darunavir Impurity 15                      | VS-D014041 | 1418639-27-6 |
| 6797 | Darunavir Impurity 16                      | VS-D014042 | 1546918-97-1 |
| 6798 | Darunavir Impurity 17                      | VS-D014043 | N/A          |
| 6799 | Darunavir Impurity 18                      | VS-D014044 | N/A          |
| 6800 | Darunavir Impurity 19                      | VS-D014045 | 191226-98-9  |
| 6801 | Darunavir Impurity 20                      | VS-D014046 | 244634-31-9  |
| 6802 | p-Nitrobenzene sulfonyl chloride           | VS-D014047 | 98-74-8      |
| 6803 | Darunavir Impurity 22                      | VS-D014048 | 98737-29-2   |
| 6804 | Darunavir Impurity 23                      | VS-D014049 | 799241-76-2  |
| 6805 | Darunavir Impurity 24                      | VS-D014050 | 157567-05-0  |
| 6806 | Darunavir Impurity 25                      | VS-D014051 | 160230-47-7  |
| 6807 | Darunavir Impurity 26                      | VS-D014052 | N/A          |
| 6808 | Darunavir Impurity 27                      | VS-D014053 | N/A          |
| 6809 | Darunavir Impurity 28                      | VS-D014054 | N/A          |
| 6810 | Darunavir Impurity 29                      | VS-D014055 | 1546919-11-2 |
| 6811 | Darunavir Impurity 30                      | VS-D014056 | 160232-08-6  |
| 6812 | Dasatinib                                  | VS-D015000 | 302962-49-8  |
| 6813 | Dasatinib Monohydrate                      | VS-D015001 | 863127-77-9  |
| 6814 | Dasatinib Carboxylic Acid                  | VS-D015002 | 910297-53-9  |
| 6815 | Dasatinib Carboxylic Acid Ethyl Ester      | VS-D015003 | 910297-62-0  |
| 6816 | Dasatinib Dichloro Impurity                | VS-D015004 | 302964-08-5  |
| 6817 | Dasatinib N-Deshydroxyethyl Impurity (HCl) | VS-D015005 | 1852573-26-2 |
| 6818 | Dasatinib N-Oxide                          | VS-D015006 | 910297-52-8  |
| 6819 | Dasatinib Dimer Impurity                   | VS-D015007 | 910297-61-9  |
| 6820 | Dasatinib Impurity E                       | VS-D015008 | 1159977-13-5 |
| 6821 | N-Des hydroxy ethyl N-oxide                | VS-D015009 | N/A          |
| 6822 | 1-(2-Hydroxyethyl) piperazine              | VS-D015010 | 103-76-4     |
| 6823 | Dasatinib hydrolytic impurity              | VS-D015011 | 1245157-42-9 |
| 6824 | Dasatinib Impurity 1                       | VS-D015012 | 2468737-89-3 |
| 6825 | Dasatinib Impurity A                       | VS-D015013 | 302964-24-5  |
| 6826 | Dasatinib Impurity 4                       | VS-D015014 | 1184919-23-0 |
| 6827 | Dasatinib Impurity 5                       | VS-D015015 | 1245157-85-0 |
| 6828 | Dasatinib Impurity 6                       | VS-D015016 | 2468737-75-7 |
| 6829 | Dasatinib Impurity 7                       | VS-D015017 | 2468737-76-8 |
| 6830 | Dasatinib Impurity 8                       | VS-D015018 | 1184914-03-1 |
| 6831 | Dasatinib Impurity 9                       | VS-D015019 | 2468737-77-9 |
| 6832 | Dasatinib Impurity 10                      | VS-D015020 | 2468737-78-0 |
| 6833 | Dasatinib Impurity 11                      | VS-D015021 | 2468737-79-1 |
| 6834 | Dasatinib Impurity 12                      | VS-D015022 | 910297-57-3  |
| 6835 | Dasatinib Impurity 13                      | VS-D015023 | 1159977-25-9 |
| 6836 | Dasatinib Impurity 14                      | VS-D015024 | 910297-71-1  |
| 6837 | Dasatinib Impurity 15                      | VS-D015025 | 910297-70-0  |
| 6838 | Dasatinib Impurity 16                      | VS-D015026 | 910297-58-4  |
| 6839 | Dasatinib Impurity 18                      | VS-D015027 | N/A          |
| 6840 | Dasatinib Impurity 19                      | VS-D015028 | 863127-76-8  |
| 6841 | Dasatinib Impurity 20                      | VS-D015029 | N/A          |
| 6842 | Dasatinib Impurity 21                      | VS-D015030 | N/A          |

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| 6843 | Dasatinib Impurity 22                                  | VS-D015031 | 2518438-16-7 |
| 6844 | Dasatinib Impurity 23                                  | VS-D015032 | N/A          |
| 6845 | Dasatinib Impurity 24                                  | VS-D015033 | 1025814-13-4 |
| 6846 | Dasatinib Impurity 25                                  | VS-D015034 | 302962-47-6  |
| 6847 | Dasatinib Impurity 26                                  | VS-D015035 | 50715-28-1   |
| 6848 | Dasatinib N-Deshydroxyethyl Impurity                   | VS-D015036 | 910297-51-7  |
| 6849 | Dasatinib Impurity 27                                  | VS-D015037 | 302964-01-8  |
| 6850 | Daunorubicin Hydrochloride                             | VS-D016000 | 23541-50-6   |
| 6851 | Daunorubicin EP Impurity A                             | VS-D016001 | 21794-55-8   |
| 6852 | Daunorubicin EP Impurity B                             | VS-D016002 | N/A          |
| 6853 | Daunorubicin EP Impurity C                             | VS-D016003 | N/A          |
| 6854 | Daunorubicin EP Impurity D                             | VS-D016004 | 25316-40-9   |
| 6855 | Daunorubicin EP Impurity E                             | VS-D016005 | N/A          |
| 6856 | Daunorubicin EP Impurity F                             | VS-D016006 | 771423-67-7  |
| 6857 | 14-Chlorodaunorubicin                                  | VS-D016007 | 121250-06-4  |
| 6858 | N-TFA-Daunorubicin                                     | VS-D016008 | 26388-52-3   |
| 6859 | Feudomycin B                                           | VS-D016009 | 79438-97-4   |
| 6860 | 4-Demethyl Daunorubicin hydrochloride                  | VS-D016010 | 52794-97-5   |
| 6861 | 4-Demethyl Daunomycinone                               | VS-D016011 | 52744-22-6   |
| 6862 | Decitabine                                             | VS-D017000 | 2353-33-5    |
| 6863 | Decitabine Monohydrate                                 | VS-D017001 | 135567-49-6  |
| 6864 | Decitabine USP RC A                                    | VS-D017002 | 1207459-15-1 |
| 6865 | Decitabine USP RC B                                    | VS-D017003 | 1034301-08-0 |
| 6866 | Decitabine USP RC C                                    | VS-D017004 | 1140891-02-6 |
| 6867 | Decitabine Impurity D                                  | VS-D017005 | 1126-46-1    |
| 6868 | Decitabine 3-Toluoyl Impurity                          | VS-D017006 | 183016-21-9  |
| 6869 | Decitabine 6-Methyl Impurity                           | VS-D017007 | 16352-06-0   |
| 6870 | Decitabine Imine Impurity                              | VS-D017008 | 2512207-76-8 |
| 6871 | Decitabine Amide Impurity                              | VS-D017009 | 2514661-75-5 |
| 6872 | Decitabine alpha-Isomer                                | VS-D017010 | 22432-95-7   |
| 6873 | Decitabine Triazinone Impurity                         | VS-D017011 | N/A          |
| 6874 | 2,4-Diamino-1,3,5-Triazine                             | VS-D017012 | 504-08-5     |
| 6875 | Decitabine Deformyl Impurity(Mixture of Diastereomers) | VS-D017013 | 570410-72-9  |
| 6876 | Decitabine Ring-opening Impurity                       | VS-D017014 | 69304-64-9   |
| 6877 | Decitabine Hydroxy Impurity Related Compound 2         | VS-D017015 | N/A          |
| 6878 | Decitabine Hydroxy Impurity Related Compound 3         | VS-D017016 | N/A          |
| 6879 | Decitabine Hydroxy Impurity Related Compound 4         | VS-D017017 | N/A          |
| 6880 | D-formyl Impurity Related Compound 1                   | VS-D017018 | N/A          |
| 6881 | D-formyl Impurity Related Compound 3                   | VS-D017019 | 69304-65-0   |
| 6882 | D-formyl Impurity Related Compound 4                   | VS-D017020 | 70410-70-7   |
| 6883 | Decitabine alpha-Isomer(Hydrate)                       | VS-D017021 | N/A          |
| 6884 | Decitabine Related Compound A                          | VS-D017022 | 1019659-87-0 |
| 6885 | Decitabine Guanyl urea derivative-1                    | VS-D017023 | N/A          |
| 6886 | Decitabine Guanyl urea derivative-2                    | VS-D017024 | N/A          |
| 6887 | Decitabine Impurity 1                                  | VS-D017025 | 51255-17-5   |
| 6888 | Decitabine Impurity 2                                  | VS-D017026 | 78185-65-6   |
| 6889 | Decitabine Impurity 3                                  | VS-D017027 | 17117-72-5   |

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| 6890 | Decitabine Impurity 4                   | VS-D017028 | N/A          |
| 6891 | Decitabine Impurity 6                   | VS-D017029 | 78185-67-8   |
| 6892 | Decitabine Impurity 7                   | VS-D017030 | N/A          |
| 6893 | Decitabine Impurity 8                   | VS-D017031 | N/A          |
| 6894 | Decitabine Impurity 9                   | VS-D017032 | N/A          |
| 6895 | Decitabine Impurity 10                  | VS-D017033 | N/A          |
| 6896 | Decitabine Impurity 11                  | VS-D017034 | 909402-26-2  |
| 6897 | Decitabine Impurity 13                  | VS-D017035 | N/A          |
| 6898 | Decitabine Impurity 14                  | VS-D017036 | 96761-00-1   |
| 6899 | Decitabine Impurity 15                  | VS-D017037 | N/A          |
| 6900 | Decitabine Impurity 16                  | VS-D017038 | N/A          |
| 6901 | Decitabine Impurity 17                  | VS-D017039 | N/A          |
| 6902 | Decitabine Impurity 18                  | VS-D017040 | 1254186-96-3 |
| 6903 | Decitabine Impurity 19                  | VS-D017041 | N/A          |
| 6904 | Decitabine Impurity 20                  | VS-D017042 | N/A          |
| 6905 | Decitabine Impurity 21                  | VS-D017043 | N/A          |
| 6906 | Decitabine Impurity 22                  | VS-D017044 | N/A          |
| 6907 | Decitabine Impurity 23                  | VS-D017045 | N/A          |
| 6908 | Decitabine Impurity 24                  | VS-D017046 | N/A          |
| 6909 | Decitabine Impurity 25                  | VS-D017047 | N/A          |
| 6910 | Decitabine Impurity 26                  | VS-D017048 | N/A          |
| 6911 | Decitabine Impurity 27                  | VS-D017049 | N/A          |
| 6912 | Decitabine Impurity 28                  | VS-D017050 | 570410-68-3  |
| 6913 | Decitabine Impurity 29                  | VS-D017051 | N/A          |
| 6914 | Decitabine Impurity 30                  | VS-D017052 | N/A          |
| 6915 | Decitabine Impurity 31                  | VS-D017053 | N/A          |
| 6916 | Decitabine Impurity 32                  | VS-D017054 | N/A          |
| 6917 | Decitabine Impurity 33                  | VS-D017055 | 10302-79-1   |
| 6918 | Decitabine Impurity 34                  | VS-D017056 | 40789-35-3   |
| 6919 | Decitabine Impurity 35                  | VS-D017057 | 183016-22-0  |
| 6920 | Decitabine Impurity 36                  | VS-D017058 | 178671-74-4  |
| 6921 | Decitabine Impurity 37                  | VS-D017059 | 570410-70-7  |
| 6922 | Decitabine Impurity 38                  | VS-D017060 | 1041672-46-1 |
| 6923 | Deferasirox                             | VS-D018000 | 201530-41-8  |
| 6924 | Deferasirox Benzamide Impurity          | VS-D018001 | 65-45-2      |
| 6925 | Deferasirox Benzoxazin Impurity         | VS-D018002 | 1218-69-5    |
| 6926 | Deferasirox Diacyl Impurity             | VS-D018003 | 1972-71-0    |
| 6927 | Deferasirox Ethyl Ester                 | VS-D018004 | 201530-79-2  |
| 6928 | Deferasirox Hydrazino Impurity          | VS-D018005 | 619-67-0     |
| 6929 | Deferasirox Isopropyl Ester             | VS-D018006 | 1266741-29-0 |
| 6930 | Deferasirox Methyl Ester                | VS-D018007 | 1266741-05-2 |
| 6931 | Deferasirox D-Glucuronide               | VS-D018008 | N/A          |
| 6932 | Tripotassium complex methanoate hydrate | VS-D018009 | N/A          |
| 6933 | Defluoro Hydroxy                        | VS-D018010 | 335160-94-6  |
| 6934 | Deferasirox Ethyl Salicylate            | VS-D018011 | 118-61-6     |
| 6935 | Deferasirox Salicyloyl Ester            | VS-D018012 | 1395346-28-7 |
| 6936 | Deferasirox Impurity 2                  | VS-D018013 | 201530-78-1  |

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| 6937 | Deferasirox Impurity 3           | VS-D018014 | N/A          |
| 6938 | Deferasirox Impurity 4           | VS-D018015 | 524746-12-1  |
| 6939 | Deferasirox Impurity 5           | VS-D018016 | 524746-11-0  |
| 6940 | Deferasirox Impurity 6           | VS-D018017 | 2254105-61-6 |
| 6941 | Deferasirox Impurity 7           | VS-D018018 | 858425-08-8  |
| 6942 | Deferasirox Impurity 8           | VS-D018019 | N/A          |
| 6943 | Deferasirox Impurity 9           | VS-D018020 | N/A          |
| 6944 | Deferasirox Impurity 10          | VS-D018021 | N/A          |
| 6945 | Deferasirox Impurity 11          | VS-D018022 | N/A          |
| 6946 | Deferasirox Impurity 12          | VS-D018023 | 1688656-86-1 |
| 6947 | Deferasirox Impurity 13          | VS-D018024 | N/A          |
| 6948 | Deferasirox Impurity 14          | VS-D018025 | N/A          |
| 6949 | Deferasirox Impurity 15          | VS-D018026 | 1688656-84-9 |
| 6950 | Deferasirox Impurity 16          | VS-D018027 | 725228-49-9  |
| 6951 | Deferasirox Impurity 17          | VS-D018028 | 1914179-49-9 |
| 6952 | Deferasirox Impurity 18          | VS-D018029 | N/A          |
| 6953 | Deferasirox Impurity 19          | VS-D018030 | N/A          |
| 6954 | Deferasirox Amide Impurity       | VS-D018031 | N/A          |
| 6955 | Deferasirox O-salicylyl impurity | VS-D018032 | 2732310-58-4 |
| 6956 | Deferasirox Impurity 20          | VS-D018033 | 69-72-7      |
| 6957 | Deferasirox Impurity 21          | VS-D018034 | 586-91-4     |
| 6958 | Deferiprone                      | VS-D019000 | 30652-11-0   |
| 6959 | Deferiprone EP Impurity A        | VS-D019001 | N/A          |
| 6960 | Deferiprone EP Impurity B        | VS-D019002 | 118-71-8     |
| 6961 | Deferiprone EP Impurity C        | VS-D019003 | N/A          |
| 6962 | N-Desmethyl Deferiprone          | VS-D019004 | 17184-19-9   |
| 6963 | Deferiprone Imine Impurity       | VS-D019005 | N/A          |
| 6964 | Deferiprone Impurity 1           | VS-D019006 | 30652-12-1   |
| 6965 | Deflazacort                      | VS-D020000 | 14484-47-0   |
| 6966 | 21-Deacetoxy Deflazacort         | VS-D020001 | 13649-88-2   |
| 6967 | Deflazacort 11 Acetate Analogue  | VS-D020002 | 710951-92-1  |
| 6968 | Deflazacort 21 Formiate Analogue | VS-D020003 | N/A          |
| 6969 | 21-Desacetyl Deflazacort         | VS-D020004 | 13649-57-5   |
| 6970 | Deflazacort Impurity C           | VS-D020005 | 23557-89-3   |
| 6971 | Deflazacort Impurity 1           | VS-D020006 | 13649-84-8   |
| 6972 | Deflazacort Impurity 2           | VS-D020007 | N/A          |
| 6973 | Delaflaxacin Free Acid           | VS-D021001 | 189279-58-1  |
| 6974 | Delaflaxacin Sodium Salt         | VS-D021002 | 339591-82-1  |
| 6975 | Delaflaxacin Potassium Salt      | VS-D021003 | 1620905-75-0 |
| 6976 | Delaflaxacin Dimer Impurity      | VS-D021004 | 1093185-35-3 |
| 6977 | Delaflaxacin Meglumine           | VS-D021005 | 352458-37-8  |
| 6978 | Delaflaxacin Impurity 1          | VS-D021006 | 2097714-10-6 |
| 6979 | Delaflaxacin Impurity 2          | VS-D021007 | N/A          |
| 6980 | Delaflaxacin Impurity 3          | VS-D021008 | 2097714-12-8 |
| 6981 | Delaflaxacin Impurity 4          | VS-D021009 | 959374-64-2  |
| 6982 | Delaflaxacin Impurity 5          | VS-D021010 | 2097714-09-3 |
| 6983 | Delaflaxacin Impurity 6          | VS-D021011 | 2097714-11-7 |

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| 6984 | Delamanid                                          | VS-D022000 | 681492-22-8  |
| 6985 | Delamanid Hydroxy KSM                              | VS-D022001 | 681482-81-5  |
| 6986 | Delamanid Piperidine impurity                      | VS-D022002 | 287952-67-4  |
| 6987 | Delamanid S-Isomer                                 | VS-D022003 | 681505-01-1  |
| 6988 | Deltamethrin                                       | VS-D023000 | 52918-63-5   |
| 6989 | Deltamethric Acid Chloride                         | VS-D023001 | 55710-82-2   |
| 6990 | Demeclocycline Hydrochloride                       | VS-D024001 | 64-73-3      |
| 6991 | Demeclocycline EP Impurity A                       | VS-D024002 | 987-02-0     |
| 6992 | Demeclocycline EP Impurity B                       | VS-D024003 | 14206-59-8   |
| 6993 | Demeclocycline EP Impurity C                       | VS-D024004 | 129044-45-7  |
| 6994 | Demeclocycline EP Impurity D                       | VS-D024005 | N/A          |
| 6995 | Demeclocycline EP Impurity E                       | VS-D024006 | 4496-85-9    |
| 6996 | Demeclocycline EP Impurity F                       | VS-D024007 | 81181-91-1   |
| 6997 | Demeclocycline EP Impurity G                       | VS-D024008 | 22688-73-9   |
| 6998 | Dequalinium Chloride                               | VS-D025000 | 522-51-0     |
| 6999 | Dequalinium Chloride EP Impurity A                 | VS-D025001 | 02-04-28     |
| 7000 | Dequalinium Chloride EP Impurity B                 | VS-D025002 | 171980-52-2  |
| 7001 | Dequalinium Chloride EP Impurity C                 | VS-D025003 | 171980-50-0  |
| 7002 | Deracoxib                                          | VS-D026000 | 169590-41-4  |
| 7003 | Deracoxib Impurity 1                               | VS-D026001 | 455-91-4     |
| 7004 | Deracoxib Impurity 2                               | VS-D026002 | 170570-77-1  |
| 7005 | Deracoxib Impurity 3                               | VS-D026003 | 252561-96-9  |
| 7006 | Deracoxib Impurity 4                               | VS-D026004 | 1798429-38-5 |
| 7007 | Desipramine HCl                                    | VS-D027001 | 58-28-6      |
| 7008 | 2-Hydroxy Desipramine                              | VS-D027002 | 1977-15-7    |
| 7009 | 2-Hydroxy desipramine glucuronide                  | VS-D027003 | 25521-31-7   |
| 7010 | N-(3-Dimethylaminopropyl)desipramine DiHCl         | VS-D027004 | 1838-02-4    |
| 7011 | Dehydro Desipramine                                | VS-D027005 | 65213-63-0   |
| 7012 | Desipramine Impurity 1                             | VS-D027006 | 2010-13-1    |
| 7013 | Desipramine Ethyl Carbamate                        | VS-D027007 | 27097-69-4   |
| 7014 | Desloratadine                                      | VS-D028000 | 100643-71-8  |
| 7015 | Desloratadine EP Impurity A                        | VS-D028001 | 298220-99-2  |
| 7016 | Desloratadine EP Impurity B (HCl)                  | VS-D028002 | N/A          |
| 7017 | Desloratadine EP Impurity C                        | VS-D028003 | 79794-75-5   |
| 7018 | Desloratadine USP RC A                             | VS-D028004 | 117796-50-6  |
| 7019 | Desloratadine Dehydro 11-Oxo Impurity              | VS-D028005 | 117811-16-2  |
| 7020 | Desloratadine Dehydro Impurity                     | VS-D028006 | 117811-20-8  |
| 7021 | Desloratadine 11-Hydroxy Impurity                  | VS-D028007 | 153200-97-6  |
| 7022 | Desloratadine 11-Hydroxy N-Methyl Impurity         | VS-D028008 | N/A          |
| 7023 | Desloratadine 3-Hydroxy Impurity                   | VS-D028009 | 119410-08-1  |
| 7024 | Desloratadine 8-Bromo-11-Hydroxy-N-Methyl Impurity | VS-D028010 | N/A          |
| 7025 | Desloratadine 8-Bromo-11-Oxo Impurity              | VS-D028011 | 143540-56-1  |
| 7026 | Desloratadine 8-Bromo-N-Methyl Impurity            | VS-D028012 | 130642-57-8  |
| 7027 | Desloratadine Dehydro N-Methyl Impurity            | VS-D028013 | 117811-18-4  |
| 7028 | Desloratadine Deschloro Impurity                   | VS-D028014 | 38092-95-4   |
| 7029 | Desloratadine Dihydro Impurity                     | VS-D028015 | 119770-61-5  |
| 7030 | Desloratadine Dehydro 11-Hydroxy N-Methyl Impurity | VS-D028016 | 117811-17-3  |

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| 7031 | Desloratadine Methanone Impurity            | VS-D028017 | 130642-50-1  |
| 7032 | Desloratadine N-Acetyl Impurity             | VS-D028018 | 117796-52-8  |
| 7033 | Desloratadine N-Formyl Impurity             | VS-D028019 | 117810-61-4  |
| 7034 | Desloratadine N-Hydroxy Impurity            | VS-D028020 | 1193725-73-3 |
| 7035 | Desloratadine N-Methyl Impurity             | VS-D028021 | 38092-89-6   |
| 7036 | Desloratadine 4,8-Dichloro Impurity         | VS-D028022 | 133330-63-9  |
| 7037 | Desloratadine 8-Dechloro-7-Chloro Impurity  | VS-D028023 | 1346601-53-3 |
| 7038 | Desloratadine 8-Dechloro-10-Chloro Impurity | VS-D028024 | 1346600-61-0 |
| 7039 | Desloratadine 8-Dechloro-9-Chloro Impurity  | VS-D028025 | 117811-13-9  |
| 7040 | Desloratadine Pyridine N-Oxide              | VS-D028026 | 169253-26-3  |
| 7041 | Desloratadine Impurity 1                    | VS-D028027 | N/A          |
| 7042 | Desloratadine EP Impurity B                 | VS-D028028 | 183198-49-4  |
| 7043 | N-Nitroso-Desloratadine                     | VS-D028029 | 1246819-22-6 |
| 7044 | Desmopressin Acetate                        | VS-D029001 | 62288-83-9   |
| 7045 | Desmopressin EP Impurity A                  | VS-D029002 | N/A          |
| 7046 | Desmopressin EP Impurity B                  | VS-D029003 | N/A          |
| 7047 | Desmopressin EP Impurity C                  | VS-D029004 | 160848-60-2  |
| 7048 | Desmopressin EP Impurity D                  | VS-D029005 | 113-81-5     |
| 7049 | Desmopressin EP Impurity E                  | VS-D029006 | N/A          |
| 7050 | Desmopressin EP Impurity F                  | VS-D029007 | N/A          |
| 7051 | Desmopressin EP Impurity G                  | VS-D029008 | N/A          |
| 7052 | N-Nitroso Desmopressin                      | VS-D029009 | N/A          |
| 7053 | Desmosterol Sulfate Sodium salt             | VS-D030001 | N/A          |
| 7054 | Desogestrel                                 | VS-D031000 | 54024-22-5   |
| 7055 | Desogestrel EP Impurity A                   | VS-D031001 | 201360-82-9  |
| 7056 | Desogestrel EP Impurity B                   | VS-D031002 | 54024-12-3   |
| 7057 | Desogestrel EP Impurity C                   | VS-D031003 | 54024-21-4   |
| 7058 | Desogestrel EP Impurity D                   | VS-D031004 | 54048-10-1   |
| 7059 | Desogestrel EP Impurity E                   | VS-D031005 | 70805-85-5   |
| 7060 | Etonogestrel Sulfate Sodium Salt            | VS-D031006 | N/A          |
| 7061 | 17- $\beta$ -Desogestrel                    | VS-D031007 | N/A          |
| 7062 | Methyl Gestodene                            | VS-D031008 | 66452-30-0   |
| 7063 | Desogestrel Impurity 1                      | VS-D031009 | 201360-83-0  |
| 7064 | Desogestrel Impurity 2                      | VS-D031010 | 70805-84-4   |
| 7065 | Desogestrel Impurity 3                      | VS-D031011 | 54024-10-1   |
| 7066 | Desogestrel Impurity 4                      | VS-D031012 | 882297-86-1  |
| 7067 | Desogestrel Impurity 5                      | VS-D031013 | N/A          |
| 7068 | Desogestrel Impurity 6                      | VS-D031014 | N/A          |
| 7069 | Desonide                                    | VS-D032000 | 638-94-8     |
| 7070 | Desonide glyoxal                            | VS-D032001 | 57171-18-3   |
| 7071 | Desonide-21-aldehyde hydrate                | VS-D032002 | N/A          |
| 7072 | Bromodesonide                               | VS-D032003 | 39672-77-0   |
| 7073 | Dihydrodesonide                             | VS-D032004 | 638-93-7     |
| 7074 | Epoxydesonide                               | VS-D032005 | 39672-75-8   |
| 7075 | Deoxyprednisolone-16-ene                    | VS-D032006 | 3103-17-1    |
| 7076 | Acetyldesonide                              | VS-D032007 | 25092-25-5   |
| 7077 | Alpha - Epoxydesonide                       | VS-D032008 | N/A          |



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| 7078 | Desonide 17-Carboxylic Acid                                      | VS-D032009 | 117782-94-2   |
| 7079 | Desonide Impurity 1                                              | VS-D032010 | N/A           |
| 7080 | Desonide Impurity 2                                              | VS-D032011 | N/A           |
| 7081 | Desoximetasone                                                   | VS-D033000 | 382-67-2      |
| 7082 | Desoximetasone USP Related Compound A                            | VS-D033001 | 432-54-2      |
| 7083 | Desoximetasone Diacetal Impurity                                 | VS-D033002 | N/A           |
| 7084 | Desoximetasone Impurity E                                        | VS-D033003 | 151265-33-7   |
| 7085 | 21-Hydroxy-16 $\alpha$ -methylpregna-1,4,9(11)-triene-3,20-dione | VS-D033004 | 56016-90-1    |
| 7086 | Desoximetasone Impurity 1                                        | VS-D033005 | N/A           |
| 7087 | Desvenlafaxine                                                   | VS-D034000 | 93413-62-8    |
| 7088 | USP Desvenlafaxine Related Compound A                            | VS-D034001 | 1346600-38-1  |
| 7089 | Desvenlafaxine N,N-Didesmethyl Impurity                          | VS-D034002 | 149289-29-2   |
| 7090 | Desvenlafaxine N-Oxide                                           | VS-D034003 | 1021933-95-8  |
| 7091 | Desvenlafaxine Phenol Impurity                                   | VS-D034004 | 539-15-1      |
| 7092 | Desvenlafaxine R-Isomer                                          | VS-D034005 | 142761-11-3   |
| 7093 | Desvenlafaxine S-Isomer                                          | VS-D034006 | 142761-12-4   |
| 7094 | Desvenlafaxine Spiro Impurity                                    | VS-D034007 | N/A           |
| 7095 | Desvenlafaxine Succinate                                         | VS-D034008 | 448904-47-0   |
| 7096 | Desvenlafaxine Benzyl ether                                      | VS-D034009 | 93413-61-7    |
| 7097 | Desvenlafaxine Deshydroxy Impurity                               | VS-D034010 | 1346605-18-2  |
| 7098 | Desvenlafaxine ODV-Dimer                                         | VS-D034011 | 1187545-62-5  |
| 7099 | Desvenlafaxin ODV-N-Dimer                                        | VS-D034012 | 1187545-61-4  |
| 7100 | Desvenlafaxine Succinate Monohydrate                             | VS-D034013 | 386750-22-7   |
| 7101 | N-Nitroso Desvenlafaxine Impurity                                | VS-D034014 | NA            |
| 7102 | Detomidine                                                       | VS-D035000 | 76631-46-4    |
| 7103 | Detomidine EP Impurity A                                         | VS-D035001 | 78892-33-8    |
| 7104 | Detomidine EP Impurity B                                         | VS-D035002 | 83902-12-9    |
| 7105 | Detomidine EP Impurity C                                         | VS-D035003 | 2408662-26-8  |
| 7106 | Iso detomidine                                                   | VS-D035004 | 78892-51-0    |
| 7107 | Dexamethasone                                                    | VS-D036000 | 50-02-2       |
| 7108 | Dexamethasone EP Impurity A                                      | VS-D036001 | N/A           |
| 7109 | Dexamethasone EP Impurity B                                      | VS-D036002 | 378-44-9      |
| 7110 | Dexamethasone EP Impurity B Disodium salt                        | VS-D036003 | 03-09-60 0:00 |
| 7111 | Dexamethasone EP Impurity C                                      | VS-D036004 | 426-17-5      |
| 7112 | Dexamethasone EP Impurity D                                      | VS-D036005 | 24916-90-3    |
| 7113 | Dexamethasone EP Impurity E                                      | VS-D036006 | 13209-41-1    |
| 7114 | Dexamethasone EP Impurity F                                      | VS-D036007 | 382-67-2      |
| 7115 | Dexamethasone EP Impurity I                                      | VS-D036008 | 14622-47-0    |
| 7116 | Dexamethasone EP Impurity J                                      | VS-D036009 | 2036-77-3     |
| 7117 | Dexamethasone EP Impurity K                                      | VS-D036010 | 1809224-82-5  |
| 7118 | Dexamethasone Epimeric Glycolic Acid                             | VS-D036011 | 84449-16-1    |
| 7119 | 17-dehydroxy Dexamethasone Glyoxilic acid alcohol                | VS-D036012 | N/A           |
| 7120 | D-Homo B Derivative Dexamethasone                                | VS-D036013 | N/A           |
| 7121 | D-Homo A Derivative Dexamethasone                                | VS-D036014 | N/A           |
| 7122 | 6-Keto Dexamethasone                                             | VS-D036015 | N/A           |
| 7123 | 21-Dehydro Dexamethasone                                         | VS-D036016 | 426-15-3      |
| 7124 | Dexamethasone Acid Ethyl Ester                                   | VS-D036017 | N/A           |

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| 7125 | 6-Hydroxy dexamethasone                      | VS-D036018 | 55879-47-5    |
| 7126 | Pregnatriene acetate                         | VS-D036019 | N/A           |
| 7127 | Chlordexamethasone Pivalate (Impurity D)     | VS-D036020 | N/A           |
| 7128 | 6- $\alpha$ -Hydroxy Dexamethasone           | VS-D036021 | 111897-35-9   |
| 7129 | 21-Hemiacetal Dexamethasone                  | VS-D036022 | 473273-03-9   |
| 7130 | Dexamethasone Sodium Metasulfobenzoate       | VS-D036023 | 02-05-36 0:00 |
| 7131 | Dexamethasone Impurity 1                     | VS-D036024 | 75262-69-0    |
| 7132 | Dexamethasone Impurity 2                     | VS-D036025 | 37927-01-8    |
| 7133 | Dexamethasone Impurity 3                     | VS-D036026 | 2964-79-6     |
| 7134 | Dexamethasone Impurity 4                     | VS-D036027 | 1188271-71-7  |
| 7135 | Dexamethasone Impurity 5                     | VS-D036028 | 473273-04-0   |
| 7136 | Dexamethasone Impurity 6                     | VS-D036029 | 2964-81-0     |
| 7137 | Dexamethasone Impurity 7                     | VS-D036030 | 55541-30-5    |
| 7138 | Dexamethasone-17-Ketone                      | VS-D036031 | 1880-61-1     |
| 7139 | Dexamethasone Impurity 9                     | VS-D036032 | 84449-15-0    |
| 7140 | Dexamethasone Impurity 10                    | VS-D036033 | 37926-77-5    |
| 7141 | Dexamethasone Impurity 11                    | VS-D036034 | 1184871-61-1  |
| 7142 | Dexamethasone Impurity 12                    | VS-D036035 | N/A           |
| 7143 | Dexamethasone Impurity 13                    | VS-D036036 | N/A           |
| 7144 | Dexamethasone Impurity 14                    | VS-D036037 | N/A           |
| 7145 | Dexamethasone Impurity 15                    | VS-D036038 | N/A           |
| 7146 | Dexamethasone Impurity 16                    | VS-D036039 | N/A           |
| 7147 | Dexamethasone Impurity 17                    | VS-D036040 | N/A           |
| 7148 | Dexamethasone Impurity 18                    | VS-D036041 | N/A           |
| 7149 | Dexamethasone Impurity 19                    | VS-D036042 | N/A           |
| 7150 | Dexamethasone Pivalate                       | VS-D036043 | 1926-94-9     |
| 7151 | Dexamethasone Acetate                        | VS-D037000 | 1177-87-3     |
| 7152 | Dexamethasone Acetate EP Impurity A          | VS-D037001 | 50-02-2       |
| 7153 | Dexamethasone Acetate EP Impurity B          | VS-D037002 | N/A           |
| 7154 | Dexamethasone Acetate EP Impurity C          | VS-D037003 | N/A           |
| 7155 | Dexamethasone Acetate EP Impurity D          | VS-D037004 | 987-24-6      |
| 7156 | Dexamethasone Acetate EP Impurity E          | VS-D037005 | 1524-94-3     |
| 7157 | Dexamethasone Acetate EP Impurity F          | VS-D037006 | 2884-51-7     |
| 7158 | Dexamethasone Acetate EP Impurity G          | VS-D037007 | 1597-78-0     |
| 7159 | Dexamethasone Acetate EP Impurity H          | VS-D037008 | 10106-41-9    |
| 7160 | Dexamethasone Acetate EP Impurity I          | VS-D037009 | 3949-26-6     |
| 7161 | 6-Keto Dexamethasone                         | VS-D037010 | N/A           |
| 7162 | 21-Dehydro Dexamethasone                     | VS-D037011 | 426-15-3      |
| 7163 | Dexamethasone Acid Ethyl Ester               | VS-D037012 | N/A           |
| 7164 | Dexamethasone Impurity 17                    | VS-D037013 | N/A           |
| 7165 | Dexamethasone Impurity 18                    | VS-D037014 | N/A           |
| 7166 | Dexamethasone Sodium Phosphate               | VS-D038000 | 2392-39-4     |
| 7167 | Dexamethasone Sodium Phosphate EP Impurity A | VS-D038001 | 50-02-2       |
| 7168 | Dexamethasone Sodium Phosphate EP Impurity B | VS-D038002 | 151-73-5      |
| 7169 | Dexamethasone Sodium Phosphate EP Impurity D | VS-D038003 | N/A           |
| 7170 | Dexamethasone Sodium Phosphate EP Impurity E | VS-D038004 | N/A           |
| 7171 | Dexamethasone Sodium Phosphate EP Impurity F | VS-D038005 | N/A           |

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| 7172 | Dexamethasone Sodium Phosphate EP Impurity G                     | VS-D038006 | 37927-01-8   |
| 7173 | Dexamethasone Sodium Phosphate EP Impurity H                     | VS-D038007 | N/A          |
| 7174 | Dexamethasone Sodium Phosphate EP Impurity C                     | VS-D038008 | N/A          |
| 7175 | 16(17)a-Homodexamethasone Sodium Phosphate (16α)                 | VS-D038009 | N/A          |
| 7176 | Dexamethasone Ethyl Ester                                        | VS-D038010 | N/A          |
| 7177 | Dexamethasone Sodium Phosphate Diester                           | VS-D038011 | N/A          |
| 7178 | 18-α/β-Homo Dexamethasone Sodium Phosphate                       | VS-D038012 | N/A          |
| 7179 | Dexamethasone Sodium Phosphate Bisulfate Adduct                  | VS-D038013 | 39005-10-2   |
| 7180 | 16(17)a-17R-Homodexamethasone Sodium Phosphate                   | VS-D038014 | N/A          |
| 7181 | 3-keto delta 4 Dexamethasone Sodium Phosphate                    | VS-D038015 | N/A          |
| 7182 | D-Homo C Derivative Dexamethasone Sodium Phosphate               | VS-D038016 | N/A          |
| 7183 | 16 (17)a-Homodexamethasone Sodium Phosphate                      | VS-D038017 | N/A          |
| 7184 | 13(17)a-Homodexamethasone Sodium Phosphate                       | VS-D038018 | N/A          |
| 7185 | dexamethasone phosphate                                          | VS-D038019 | 312-93-6     |
| 7186 | Dexbrompheniramine Maleate                                       | VS-D039001 | 09-03-91     |
| 7187 | Dexlansoprazole                                                  | VS-D040000 | 138530-94-6  |
| 7188 | Dexlansoprazole N-oxide                                          | VS-D040001 | N/A          |
| 7189 | Dexlansoprazole Nitro Sulphoxide                                 | VS-D040002 | 853950-77-3  |
| 7190 | Dexlansoprazole degradation impurity                             | VS-D040003 | 1781244-56-1 |
| 7191 | Dexlansoprazole M+647 Impurity                                   | VS-D040004 | N/A          |
| 7192 | Dexlansoprazole Sesquihydrate                                    | VS-D040005 | 313640-86-7  |
| 7193 | Dexlansoprazole Impurity 1                                       | VS-D040006 | N/A          |
| 7194 | Dexlansoprazole Impurity 2                                       | VS-D040007 | N/A          |
| 7195 | Dexlansoprazole Impurity 4                                       | VS-D040008 | N/A          |
| 7196 | Dexlansoprazole Impurity 5                                       | VS-D040009 | 1409978-52-4 |
| 7197 | Dexlansoprazole Impurity 6                                       | VS-D040010 | 102804-87-5  |
| 7198 | Dexlansoprazole Impurity 7                                       | VS-D040011 | N/A          |
| 7199 | Dexlansoprazole Impurity 8                                       | VS-D040012 | N/A          |
| 7200 | Dexlansoprazole Impurity 9                                       | VS-D040013 | N/A          |
| 7201 | Dexlansoprazole impurity B                                       | VS-D040014 | 131926-99-3  |
| 7202 | Dexlansoprazole impurity C                                       | VS-D040015 | 103577-40-8  |
| 7203 | Dexlansoprazole impurity D                                       | VS-D040016 | 615-16-7     |
| 7204 | Dexlansoprazole impurity E                                       | VS-D040017 | 213476-12-1  |
| 7205 | Dexpanthenol                                                     | VS-D041000 | 81-13-0      |
| 7206 | Dexpanthenol EP Impurity A                                       | VS-D041001 | 156-87-6     |
| 7207 | Dexpanthenol EP Impurity B                                       | VS-D041002 | 60979-68-2   |
| 7208 | Dexpanthenol EP Impurity C                                       | VS-D041003 | 599-04-2     |
| 7209 | Dexpanthenol EP Impurity D                                       | VS-D041004 | N/A          |
| 7210 | Dexpanthenol Racemic Impurity                                    | VS-D041005 | 16485-10-2   |
| 7211 | Dexrazoxane                                                      | VS-D042000 | 24584-09-6   |
| 7212 | Dexrazoxane Impurity 1                                           | VS-D042001 | 15456-17-4   |
| 7213 | Dexrazoxane Impurity 2                                           | VS-D042002 | 24613-06-7   |
| 7214 | Dexrazoxane Impurity 3                                           | VS-D042003 | 153042-69-4  |
| 7215 | Dexrazoxane Impurity 4                                           | VS-D042004 | N/A          |
| 7216 | Dexrazoxane Impurity 5                                           | VS-D042005 | N/A          |
| 7217 | N,N'-[(1S)-1-Methyl-1,2-ethanediyl]bis[N-(carboxymethyl)glycine] | VS-D042006 | 15250-41-6   |
| 7218 | Dexrazoxane Impurity C                                           | VS-D042007 | 120418-77-1  |

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| 7219 | Dexrazoxane Impurity D                          | VS-D042008 | 120418-76-0  |
| 7220 | Dexrazoxane Impurity 6                          | VS-D042009 | 75459-34-6   |
| 7221 | Diacerein                                       | VS-D043000 | 13739-02-1   |
| 7222 | Diacerein EP Impurity A                         | VS-D043001 | 518-82-1     |
| 7223 | Diacerein EP Impurity B                         | VS-D043002 | 481-72-1     |
| 7224 | Diacerein EP Impurity C                         | VS-D043003 | 478-43-3     |
| 7225 | Diacerein EP Impurity D (5-Acetyl Rhein)        | VS-D043004 | 875535-35-6  |
| 7226 | Diacerein EP Impurity E                         | VS-D043005 | 875535-36-7  |
| 7227 | Diacerein EP Impurity F                         | VS-D043006 | 13928-72-8   |
| 7228 | Diacerein EP Impurity G                         | VS-D043007 | 64951-96-8   |
| 7229 | Diacerein EP Impurity H (Triacetyl Aloe Emodin) | VS-D043008 | 25395-11-3   |
| 7230 | Diatrizoic Acid                                 | VS-D044000 | 117-96-4     |
| 7231 | Diatrizoic Acid Related Compound A              | VS-D044001 | 1713-07-1    |
| 7232 | Diaveridine                                     | VS-D045000 | 5355-16-8    |
| 7233 | Diclofenac                                      | VS-D046000 | 15307-86-5   |
| 7234 | Diclofenac Sodium                               | VS-D046001 | 15307-79-6   |
| 7235 | Diclofenac Potassium                            | VS-D046002 | 15307-81-0   |
| 7236 | Diclofenac EP Impurity A                        | VS-D046003 | 15362-40-0   |
| 7237 | Diclofenac EP Impurity B                        | VS-D046004 | 22121-58-0   |
| 7238 | Diclofenac EP Impurity C                        | VS-D046005 | 27204-57-5   |
| 7239 | Diclofenac EP Impurity D                        | VS-D046006 | 127792-23-8  |
| 7240 | Diclofenac EP Impurity E                        | VS-D046007 | 59-48-3      |
| 7241 | Diclofenac EP Impurity F                        | VS-D046008 | 560075-65-2  |
| 7242 | Diclofenac 4-Bromo Analog                       | VS-D046009 | 2512211-75-3 |
| 7243 | Diclofenac Carboxylic Acid (metabolite)         | VS-D046010 | 13625-57-5   |
| 7244 | Diclofenac Desacetate Impurity                  | VS-D046011 | 15307-93-4   |
| 7245 | Diclofenac Glyoxillic Acid                      | VS-D046012 | 66156-75-0   |
| 7246 | Diclofenac Isopropyl Ester                      | VS-D046013 | 66370-79-4   |
| 7247 | Diclofenac Chloroacetyl Impurity                | VS-D046014 | 15308-01-7   |
| 7248 | Diclofenac Glyceryl Impurity                    | VS-D046015 | 221016-39-3  |
| 7249 | Diclofenac Diethylamine Salt                    | VS-D046016 | 78213-16-8   |
| 7250 | 4-Hydroxy Diclofenac                            | VS-D046017 | 64118-84-9   |
| 7251 | Diclofenac Dimer Impurity                       | VS-D046018 | 1609187-32-7 |
| 7252 | Diclofenac 2,5-Quinone Imine                    | VS-D046019 | 1254576-93-6 |
| 7253 | Diclofenac Related Compound 1                   | VS-D046020 | 928343-25-3  |
| 7254 | Diclofenac Oleate Impurity 1                    | VS-D046021 | N/A          |
| 7255 | Diclofenac Oleate Impurity 2                    | VS-D046022 | N/A          |
| 7256 | Diclofenac Impurity 3                           | VS-D046023 | 131023-44-4  |
| 7257 | Diclofenac Impurity 4                           | VS-D046024 | 131023-43-3  |
| 7258 | Diclofenac Impurity 5                           | VS-D046025 | 2180935-53-7 |
| 7259 | Diclofenac Impurity 6                           | VS-D046026 | 1420774-71-5 |
| 7260 | Diclofenac Impurity 7                           | VS-D046027 | 956-48-9     |
| 7261 | Diclofenac Impurity 8                           | VS-D046028 | 95093-56-4   |
| 7262 | Diclofenac Impurity 9                           | VS-D046029 | 172494-87-0  |
| 7263 | Diclofenac Impurity 17                          | VS-D046030 | 24542-74-3   |
| 7264 | Diclofenac Impurity 10                          | VS-D046031 | 15304-01-7   |
| 7265 | N-Nitroso Diclofenac                            | VS-D046032 | 66505-80-4   |

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| 7266 | Dicloxacillin Sodium Monohydrate                                          | VS-D047001 | 13412-64-1  |
| 7267 | Dicloxacillin EP Impurity A                                               | VS-D047002 | 42947-69-3  |
| 7268 | Dicloxacillin EP Impurity B                                               | VS-D047003 | N/A         |
| 7269 | Dicloxacillin EP Impurity C                                               | VS-D047004 | 551-16-6    |
| 7270 | Dicloxacillin EP Impurity D                                               | VS-D047005 | 3919-76-4   |
| 7271 | Dicycloverine Hydrochloride                                               | VS-D048001 | 67-92-5     |
| 7272 | Dicycloverine Hydrochloride EP Impurity B                                 | VS-D048002 | N/A         |
| 7273 | Dicycloverine EP Impurity A                                               | VS-D048003 | 60263-54-9  |
| 7274 | Dicycloverine EP Impurity B                                               | VS-D048004 | 109158-77-2 |
| 7275 | Dicyclohexyl Ketone                                                       | VS-D048005 | 119-60-8    |
| 7276 | Dicyclohexyl Ketone Chloride                                              | VS-D048006 | 83803-75-2  |
| 7277 | Dicyclohexyl Methanol                                                     | VS-D048007 | 4453-82-1   |
| 7278 | Diethyl Ethanolamide                                                      | VS-D048008 | 2893-43-8   |
| 7279 | Cyclohexyl-1-cyclohexenyl ketone                                          | VS-D048009 | 74598-74-6  |
| 7280 | Diethylethanolamine Dicyclohexylketone                                    | VS-D048010 | N/A         |
| 7281 | $\alpha$ -Diethylethanolamine Dicyclohexylketone                          | VS-D048011 | N/A         |
| 7282 | Dicycloverine Impurity 1                                                  | VS-D048012 | 92-51-3     |
| 7283 | Dicycloverine Impurity 2                                                  | VS-D048013 | N/A         |
| 7284 | Didanosine                                                                | VS-D049000 | 69655-05-6  |
| 7285 | Didanosine EP Impurity A                                                  | VS-D049001 | 68-94-0     |
| 7286 | Didanosine EP Impurity B                                                  | VS-D049002 | 58-63-9     |
| 7287 | Didanosine EP Impurity C                                                  | VS-D049003 | 890-38-0    |
| 7288 | Didanosine EP Impurity D                                                  | VS-D049004 | 13146-72-0  |
| 7289 | Didanosine EP Impurity E                                                  | VS-D049005 | 31766-13-9  |
| 7290 | Didanosine EP Impurity F                                                  | VS-D049006 | 42867-68-5  |
| 7291 | Didanosine EP Impurity G                                                  | VS-D049007 | N/A         |
| 7292 | Didanosine EP Impurity H                                                  | VS-D049008 | 4097-22-7   |
| 7293 | Didanosine EP Impurity I                                                  | VS-D049009 | 7057-48-9   |
| 7294 | Dienogest                                                                 | VS-D050000 | 65928-58-7  |
| 7295 | Dienogest EP Impurity A                                                   | VS-D050001 | 86153-39-1  |
| 7296 | Dienogest EP Impurity B                                                   | VS-D050002 | 5173-46-6   |
| 7297 | Dienogest EP Impurity C                                                   | VS-D050003 | 106111-42-6 |
| 7298 | Dienogest EP Impurity D                                                   | VS-D050004 | 190662-30-7 |
| 7299 | Dienogest EP Impurity G                                                   | VS-D050005 | 86153-38-0  |
| 7300 | Dienogest EP Impurity H                                                   | VS-D050006 | 16669-06-0  |
| 7301 | Dienogest EP Impurity I                                                   | VS-D050007 | 65928-65-6  |
| 7302 | Dienogest EP Impurity J                                                   | VS-D050008 | 24284-84-2  |
| 7303 | Dienogest EP Impurity L                                                   | VS-D050009 | 5571-36-8   |
| 7304 | Dienogest EP Impurity M                                                   | VS-D050010 | 98149-13-4  |
| 7305 | Dienogest EP Impurity E                                                   | VS-D050011 | 102193-41-9 |
| 7306 | Dienogest EP Impurity F                                                   | VS-D050012 | 67473-36-3  |
| 7307 | Dienogest EP Impurity K                                                   | VS-D050013 | 106111-43-7 |
| 7308 | 6-beta-Hydroxy Dienogest                                                  | VS-D050014 | N/A         |
| 7309 | 3,3-Dimethoxyestra-5(10),9(11)-dien-17-one                                | VS-D050015 | 10109-76-9  |
| 7310 | Estra-5(10),9(11)-diene-3,17-dione                                        | VS-D050016 | 02-06-03    |
| 7311 | Estra-5(10),9(11)-diene-3,17-dione Cyclic 3,17-Bis(1,2-ethanediyl acetal) | VS-D050017 | 57905-07-4  |
| 7312 | 17-epi-Dienogest                                                          | VS-D050018 | N/A         |

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| 7313 | Seco-Dienogest                                    | VS-D050019 | N/A          |
| 7314 | Dienogest Impurity 1                              | VS-D050020 | 510-64-5     |
| 7315 | Dienogest Impurity 4                              | VS-D050021 | N/A          |
| 7316 | Dienogest Impurity 5                              | VS-D050022 | N/A          |
| 7317 | Diflorasone Diacetate                             | VS-D051000 | 33564-31-7   |
| 7318 | Diflorasone                                       | VS-D051001 | 2557-49-5    |
| 7319 | Diflorasone 21-acetate                            | VS-D051002 | 3826-17-3    |
| 7320 | Diflorasone Diacetate 6-chloro analog             | VS-D051003 | N/A          |
| 7321 | Difloxacin Hydrochloride Trihydrate               | VS-D052000 | N/A          |
| 7322 | Difloxacin Hydrochloride Trihydrate EP Impurity A | VS-D052001 | N/A          |
| 7323 | Difloxacin Hydrochloride Trihydrate EP Impurity B | VS-D052002 | 98105-99-8   |
| 7324 | Difloxacin Hydrochloride Trihydrate EP Impurity C | VS-D052003 | 98106-19-5   |
| 7325 | Difloxacin Hydrochloride Trihydrate EP Impurity D | VS-D052004 | 265995-90-2  |
| 7326 | Difloxacin Hydrochloride Trihydrate EP Impurity E | VS-D052005 | 211236-46-3  |
| 7327 | Difloxacin Hydrochloride Trihydrate EP Impurity F | VS-D052006 | N/A          |
| 7328 | Difloxacin Hydrochloride Trihydrate EP Impurity G | VS-D052007 | 98105-79-4   |
| 7329 | Diflucortolone Valerate Impurity 1                | VS-D053001 | 09-06-07     |
| 7330 | Diflucortolone Valerate Impurity 2                | VS-D053002 | 2541-37-9    |
| 7331 | Diflucortolone Valerate Impurity 3                | VS-D053003 | N/A          |
| 7332 | Diflucortolone Valerate Impurity 4                | VS-D053004 | N/A          |
| 7333 | Diflucortolone Valerate Impurity 5                | VS-D053005 | 61633-73-6   |
| 7334 | Diflucortolone Valerate Impurity 6                | VS-D053006 | N/A          |
| 7335 | Diflucortolone Valerate Impurity 7                | VS-D053007 | 65535-29-7   |
| 7336 | Diflucortolone Valerate Impurity 8                | VS-D053008 | N/A          |
| 7337 | Diflucortolone Valerate Impurity 9                | VS-D053009 | 154713-04-9  |
| 7338 | Diflucortolone Valerate Impurity 10               | VS-D053010 | 36130-02-6   |
| 7339 | Diflucortolone Valerate Impurity 11               | VS-D053011 | N/A          |
| 7340 | Diflucortolone Valerate Impurity 12               | VS-D053012 | 66233-46-3   |
| 7341 | Diflucortolone Valerate Impurity 13               | VS-D053013 | N/A          |
| 7342 | Diflunisal                                        | VS-D054000 | 22494-42-4   |
| 7343 | Diflunisal Impurity-II                            | VS-D054001 | 59089-68-8   |
| 7344 | Diflunisal Impurity-III                           | VS-D054002 | 53591-79-0   |
| 7345 | Diflunisal Impurity-IV                            | VS-D054003 | 59089-67-7   |
| 7346 | Diflunisal Impurity 1                             | VS-D054004 | 92-69-3      |
| 7347 | Diflunisal Impurity 2                             | VS-D054005 | 1639462-15-9 |
| 7348 | Diflunisal Impurity 3                             | VS-D054006 | 22494-44-6   |
| 7349 | Diflunisal Impurity 4                             | VS-D054007 | 22510-33-4   |
| 7350 | Diflunisal Impurity 5                             | VS-D054008 | N/A          |
| 7351 | Diflunisal Impurity 6                             | VS-D054009 | N/A          |
| 7352 | Diflunisal Impurity 7                             | VS-D054010 | N/A          |
| 7353 | Diflunisal Impurity 8                             | VS-D054011 | 323-87-5     |
| 7354 | Diflunisal Impurity 9                             | VS-D054012 | 2285-29-2    |
| 7355 | Difluprednate                                     | VS-D055000 | 23674-86-4   |
| 7356 | Difluprednate 17-carboxylic acid                  | VS-D055001 | 167997-12-8  |
| 7357 | Difluprednate ketoacid Impurity (DF21C)           | VS-D055002 | N/A          |
| 7358 | Difluoroprednisolone 21-Butyrate                  | VS-D055003 | N/A          |
| 7359 | 21-Desacetyl Difluprednate                        | VS-D055004 | 23640-96-2   |

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| 7360 | Difluoroprednisolone 21 Acetate            | VS-D055005 | 52-70-0      |
| 7361 | Difluoroprednisolone Trimethylortobutyrate | VS-D055006 | 23640-92-8   |
| 7362 | Difluoroprednisolone11-Butyrate,21-Acetate | VS-D055007 | N/A          |
| 7363 | Difluprednate Impurity 1                   | VS-D055008 | N/A          |
| 7364 | Difluprednate Impurity 2                   | VS-D055009 | N/A          |
| 7365 | Difluprednate Impurity 3                   | VS-D055010 | 1234557-20-0 |
| 7366 | Difluprednate Impurity 4                   | VS-D055011 | 1270039-29-6 |
| 7367 | Difluprednate Impurity 5                   | VS-D055012 | N/A          |
| 7368 | Difluprednate Impurity 7                   | VS-D055013 | 1296177-38-2 |
| 7369 | Difluprednate Impurity 8                   | VS-D055014 | N/A          |
| 7370 | Difluprednate Impurity 9                   | VS-D055015 | N/A          |
| 7371 | Difluprednate Impurity 10                  | VS-D055016 | N/A          |
| 7372 | Difluprednate Impurity 10                  | VS-D055017 | N/A          |
| 7373 | Difluprednate Impurity 11                  | VS-D055018 | N/A          |
| 7374 | Difluprednate Impurity 12                  | VS-D055019 | N/A          |
| 7375 | Digoxin                                    | VS-D056000 | 20830-75-5   |
| 7376 | Digoxin EP Impurity A                      | VS-D056001 | 71-63-6      |
| 7377 | Digoxin EP Impurity B                      | VS-D056002 | 4562-36-1    |
| 7378 | Digoxin EP Impurity C                      | VS-D056003 | 1672-46-4    |
| 7379 | Digoxin EP Impurity D                      | VS-D056004 | 5352-63-6    |
| 7380 | Digoxin EP Impurity E                      | VS-D056005 | 52589-12-5   |
| 7381 | Digoxin EP Impurity F                      | VS-D056006 | 02-05-97     |
| 7382 | Digoxin EP Impurity G                      | VS-D056007 | 55576-67-5   |
| 7383 | Digoxin EP Impurity H                      | VS-D056008 | 17575-22-3   |
| 7384 | Digoxin EP Impurity I                      | VS-D056009 | 5511-98-8    |
| 7385 | Digoxin EP Impurity J                      | VS-D056010 | 5355-48-6    |
| 7386 | Digoxin EP Impurity K                      | VS-D056011 | 31539-05-6   |
| 7387 | Dihydroartemisinin                         | VS-D057000 | 81496-81-3   |
| 7388 | Dihydroartemisinin Impurity A              | VS-D057001 | 107466-88-6  |
| 7389 | Dihydroartemisinin Impurity B              | VS-D057002 | N/A          |
| 7390 | Dihydroartemisinin Impurity C              | VS-D057003 | 82596-30-3   |
| 7391 | Dihydroartemisinin Impurity E              | VS-D057004 | 71939-51-0   |
| 7392 | Dihydroartemisinin Impurity F              | VS-D057005 | 173427-03-7  |
| 7393 | Dihydroartemisinin Impurity G              | VS-D057006 | 71963-77-4   |
| 7394 | Dihydroartemisinin Impurity H              | VS-D057007 | 958447-27-3  |
| 7395 | Dihydroartemisinin Impurity I              | VS-D057008 | 72826-63-2   |
| 7396 | Dihydrostreptomycin Sulfate                | VS-D058001 | 5490-27-7    |
| 7397 | Dihydrostreptomycin Sulfate EP Impurity A  | VS-D058002 | 85-17-6      |
| 7398 | Dihydrostreptomycin Sulfate EP Impurity B  | VS-D058003 | N/A          |
| 7399 | Dihydrostreptomycin Sulfate EP Impurity D  | VS-D058004 | 26086-49-7   |
| 7400 | Mannosidodihydrostreptomycin               | VS-D058005 | 29047-73-2   |
| 7401 | Streptomycin B                             | VS-D058006 | 128-45-0     |
| 7402 | Streptomycin Sulfate                       | VS-D058007 | 3810-74-0    |
| 7403 | Diltiazem                                  | VS-D059000 | 42399-41-7   |
| 7404 | Diltiazem HCl                              | VS-D059001 | 33286-22-5   |
| 7405 | Diltiazem EP Impurity A                    | VS-D059002 | 103532-27-0  |
| 7406 | Diltiazem EP Impurity B                    | VS-D059003 | 87447-47-0   |

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| 7407 | Diltiazem EP Impurity C                                         | VS-D059004 | 1286126-67-7 |
| 7408 | Diltiazem EP Impurity D                                         | VS-D059005 | 130606-60-9  |
| 7409 | Diltiazem EP Impurity E                                         | VS-D059006 | 42399-49-5   |
| 7410 | Diltiazem EP Impurity F                                         | VS-D059007 | 42399-40-6   |
| 7411 | Diltiazem Impurity G                                            | VS-D059008 | 86408-44-8   |
| 7412 | Diltiazem 2-Epimer O-Desacetyl Impurity                         | VS-D059009 | 91926-66-8   |
| 7413 | Diltiazem 2-Epimer O-Desacetyl N-Desdimethylaminoethyl Impurity | VS-D059010 | 30825-34-4   |
| 7414 | Diltiazem N,N-DiDesmethyl HCl                                   | VS-D059011 | 116050-35-2  |
| 7415 | Diltiazem N-Oxide                                               | VS-D059012 | 142843-04-7  |
| 7416 | Diltiazem N-Oxide O-Desacetyl Impurity                          | VS-D059013 | 122619-90-3  |
| 7417 | Diltiazem O-Desacetyl-O-Desmethyl HCl                           | VS-D059014 | 96252-32-3   |
| 7418 | N,N,O-Tridesmethyl Desacetyl Diltiazem                          | VS-D059015 | N/A          |
| 7419 | Diltiazem DTZ-I Impurity                                        | VS-D059016 | 30842-48-9   |
| 7420 | Diltiazem DTZ-II Impurity                                       | VS-D059017 | N/A          |
| 7421 | Desacetyl N, O-didesmethyl Diltiazem                            | VS-D059018 | 86408-42-6   |
| 7422 | Diltiazem Sulfoxide                                             | VS-D059019 | 370094-12-5  |
| 7423 | Deacetyl o-demethyl diltiazem                                   | VS-D059020 | 84903-82-2   |
| 7424 | Diltiazem N,N-DiDesmethyl TFA Salt                              | VS-D059021 | N/A          |
| 7425 | Desacetyl N, O-didesmethyl Diltiazem                            | VS-D059022 | 142926-09-8  |
| 7426 | N-Acetyl Diltiazem                                              | VS-D059023 | N/A          |
| 7427 | Desacetyl Diltiazem HCl                                         | VS-D059024 | 75472-91-2   |
| 7428 | Diltiazem Impurity 1                                            | VS-D059025 | N/A          |
| 7429 | N-nitroso-desmethyl-diltiazem                                   | VS-D059026 | N/A          |
| 7430 | Diltiazem Sulfoxide N-Oxide                                     | VS-D059027 | N/A          |
| 7431 | Dimenhydrinate                                                  | VS-D060000 | 523-87-5     |
| 7432 | Dimenhydrinate EP Impurity A                                    | VS-D060001 | 58-55-9      |
| 7433 | Dimenhydrinate EP Impurity C                                    | VS-D060002 | 58-08-2      |
| 7434 | Dimenhydrinate EP Impurity D                                    | VS-D060003 | N/A          |
| 7435 | Dimenhydrinate EP Impurity E                                    | VS-D060004 | 4921-49-7    |
| 7436 | Dimenhydrinate EP Impurity F                                    | VS-D060005 | 17471-10-2   |
| 7437 | Dimenhydrinate EP Impurity G                                    | VS-D060006 | 19804-27-4   |
| 7438 | Dimenhydrinate EP Impurity H                                    | VS-D060007 | 118-23-0     |
| 7439 | Dimenhydrinate EP Impurity I                                    | VS-D060008 | 91-01-0      |
| 7440 | Dimenhydrinate EP Impurity J                                    | VS-D060009 | 119-61-9     |
| 7441 | Dimenhydrinate EP Impurity K                                    | VS-D060010 | 574-42-5     |
| 7442 | N-Nitroso Dimenhydrinate EP Impurity F                          | VS-D060011 | 55855-43-1   |
| 7443 | Dimenhydrinate Impurity 1                                       | VS-D060012 | 64487-94-1   |
| 7444 | Dimethoate                                                      | VS-D061000 | 60-51-5      |
| 7445 | Isodimethoate                                                   | VS-D061001 | 04-11-44     |
| 7446 | Dimetindene Maleate                                             | VS-D062001 | 3614-69-5    |
| 7447 | Dimetindene EP Impurity A                                       | VS-D062002 | 100-71-0     |
| 7448 | Dimetindene EP Impurity B                                       | VS-D062003 | 92039-36-6   |
| 7449 | Dimetindene EP Impurity C                                       | VS-D062004 | 92726-29-9   |
| 7450 | Dimetindene EP Impurity D                                       | VS-D062005 | 1613-23-6    |
| 7451 | Dimetindene EP Impurity E                                       | VS-D062006 | 3409-21-0    |
| 7452 | Dimetindene EP Impurity F                                       | VS-D062007 | 1346746-53-9 |
| 7453 | Dimetindene EP Impurity G                                       | VS-D062008 | 803617-18-7  |



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| 7454 | Dinoprost Trometamol                            | VS-D063001 | 38562-01-5   |
| 7455 | Dinoprost EP Impurity A                         | VS-D063002 | 36150-01-3   |
| 7456 | Dinoprost EP Impurity B                         | VS-D063003 | 37658-84-7   |
| 7457 | Dinoprost EP Impurity C                         | VS-D063004 | 27415-26-5   |
| 7458 | Dinoprost EP Impurity D                         | VS-D063005 | 38432-87-0   |
| 7459 | Dinoprostone                                    | VS-D064000 | 363-24-6     |
| 7460 | Dinoprostone EP Impurity A                      | VS-D064001 | 38873-82-4   |
| 7461 | Dinoprostone EP Impurity B                      | VS-D064002 | 27415-25-4   |
| 7462 | Dinoprostone EP Impurity C                      | VS-D064003 | 36150-00-2   |
| 7463 | Dinoprostone EP Impurity D                      | VS-D064004 | 13345-50-1   |
| 7464 | Dinoprostone EP Impurity E                      | VS-D064005 | N/A          |
| 7465 | Dinoprostone EP Impurity F                      | VS-D064006 | 26441-05-4   |
| 7466 | Diosmin                                         | VS-D065000 | 520-27-4     |
| 7467 | Diosmin EP Impurity A                           | VS-D065001 | 6100-74-9    |
| 7468 | Diosmin EP Impurity B                           | VS-D065002 | 520-26-3     |
| 7469 | Diosmin EP Impurity C                           | VS-D065003 | 552-57-8     |
| 7470 | Diosmin EP Impurity D                           | VS-D065004 | 1431536-92-3 |
| 7471 | Diosmin EP Impurity E                           | VS-D065005 | 480-36-4     |
| 7472 | Diosmin EP Impurity F                           | VS-D065006 | 520-34-3     |
| 7473 | Diosmin EP Impurity G                           | VS-D065007 | 520-33-2     |
| 7474 | Didymin                                         | VS-D065008 | 14259-47-3   |
| 7475 | Diosmin-7-O-beta-D-Glucoside                    | VS-D065009 | 20126-59-4   |
| 7476 | Diosmin Impurity 1                              | VS-D065010 | 645-08-9     |
| 7477 | Diosmin Impurity 2                              | VS-D065011 | N/A          |
| 7478 | Diosmetin 3-O-b-D-Glucuronide                   | VS-D065012 | 152503-50-9  |
| 7479 | Diosmetin-7-O-glucuronide                       | VS-D065013 | 35110-20-4   |
| 7480 | Diphenhydramine                                 | VS-D066000 | 58-73-1      |
| 7481 | Diphenhydramine EP Impurity A (HCL)             | VS-D066001 | 53499-40-4   |
| 7482 | Diphenhydramine EP Impurity B                   | VS-D066002 | 19804-27-4   |
| 7483 | Diphenhydramine EP Impurity C                   | VS-D066003 | 1808-12-4    |
| 7484 | Diphenhydramine EP Impurity D                   | VS-D066004 | 91-01-0      |
| 7485 | Diphenhydramine EP Impurity E                   | VS-D066005 | 119-61-9     |
| 7486 | Diphenhydramine Impurity K                      | VS-D066006 | 574-42-5     |
| 7487 | Diphenhydramine Methiodide                      | VS-D066007 | 14177-81-2   |
| 7488 | Diphenhydramine Related Compound B              | VS-D066008 | 19574-66-4   |
| 7489 | Diphenhydramine N-Oxide Hydrochloride           | VS-D066009 | 13168-00-8   |
| 7490 | Diphenhydramine Hydrochloride                   | VS-D066010 | 147-24-0     |
| 7491 | Diphenhydramine EP Impurity B (HCl)             | VS-D066011 | 4024-34-4    |
| 7492 | Diphenhydramine N-Oxide                         | VS-D066012 | 3922-74-5    |
| 7493 | Diphenhydramine EP Impurity A                   | VS-D066013 | 17471-10-2   |
| 7494 | Dipyridamole                                    | VS-D067000 | 58-32-2      |
| 7495 | Dipyridamole Dichloro Dihydroxyethyl Impurity   | VS-D067001 | 1449029-15-5 |
| 7496 | Dipyridamole Dichloro Monohydroxyethyl Impurity | VS-D067002 | N/A          |
| 7497 | Dipyridamole EP Impurity A                      | VS-D067003 | 16982-40-4   |
| 7498 | Dipyridamole EP Impurity B                      | VS-D067004 | 16908-47-7   |
| 7499 | Dipyridamole EP Impurity C                      | VS-D067005 | 54093-92-4   |
| 7500 | Dipyridamole EP Impurity D                      | VS-D067006 | 1176886-12-6 |

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| 7501 | Dipyridamole EP Impurity E        | VS-D067007 | 2365420-11-5 |
| 7502 | Dipyridamole EP Impurity F        | VS-D067008 | 60286-30-8   |
| 7503 | Dipyridamole EP Impurity G        | VS-D067009 | 08-02-39     |
| 7504 | Dipyridamole Tetrachloro Impurity | VS-D067010 | 32980-71-5   |
| 7505 | Dipyridamole Trichloro Impurity   | VS-D067011 | 1449029-14-4 |
| 7506 | Dipyridamole Impurity I           | VS-D067012 | 2188148-58-3 |
| 7507 | Dipyridamole Ditartrac Acid Ester | VS-D067013 | 1316276-51-3 |
| 7508 | Dipyridamole Impurity 1           | VS-D067014 | 1246816-97-6 |
| 7509 | Dipyridamole Impurity 2           | VS-D067015 | 68006-07-5   |
| 7510 | Diquafosol                        | VS-D068000 | 59985-21-6   |
| 7511 | Diquafosol Impurity 1             | VS-D068001 | 63785-59-1   |
| 7512 | Diquafosol Impurity 2             | VS-D068002 | 211448-70-3  |
| 7513 | Diquafosol Impurity 3             | VS-D068003 | 26184-65-6   |
| 7514 | Diroximel Fumarate                | VS-D069000 | 1577222-14-0 |
| 7515 | Methyl Chloroformate              | VS-D069001 | 79-22-1      |
| 7516 | Diroximel Fumarate Impurity A     | VS-D069002 | 2101811-40-7 |
| 7517 | Diroximel Impurity A              | VS-D069003 | 18190-44-8   |
| 7518 | Diroximel Impurity B              | VS-D069004 | 110-17-8     |
| 7519 | Diroximel Impurity C              | VS-D069005 | 2756-87-8    |
| 7520 | Diroximel Impurity E              | VS-D069006 | N/A          |
| 7521 | Diroximel Impurity F              | VS-D069007 | 35060-68-5   |
| 7522 | Diroximel Impurity H              | VS-D069008 | N/A          |
| 7523 | Diroximel Fumarate Impurity 1     | VS-D069009 | 2101811-41-8 |
| 7524 | Diroximel Impurity 2              | VS-D069010 | N/A          |
| 7525 | Diroximel Impurity 3              | VS-D069011 | 2231299-63-9 |
| 7526 | Disulfiram                        | VS-D070000 | 97-77-8      |
| 7527 | Disulfiram EP Impurity A          | VS-D070001 | 95-05-6      |
| 7528 | Disulfiram EP Impurity B          | VS-D070002 | 20624-25-3   |
| 7529 | Disulfiram Impurity 1             | VS-D070003 | 145195-14-8  |
| 7530 | Disulfiram Impurity 2             | VS-D070004 | 147-84-2     |
| 7531 | Disulfiram Impurity 3             | VS-D070005 | 4274-15-1    |
| 7532 | Dobutamine Hydrochloride          | VS-D071001 | 49745-95-1   |
| 7533 | Dobutamine EP Impurity A          | VS-D071002 | 51-61-6      |
| 7534 | Dobutamine EP Impurity B          | VS-D071003 | 5471-51-2    |
| 7535 | Dobutamine EP Impurity C          | VS-D071004 | 61413-44-3   |
| 7536 | Dobutamine Aminochrome Impurity   | VS-D071005 | 2514709-72-7 |
| 7537 | Docetaxel                         | VS-D072000 | 114977-28-5  |
| 7538 | Docetaxel EP Impurity A           | VS-D072001 | 1887057-05-7 |
| 7539 | Docetaxel EP Impurity B           | VS-D072002 | 167074-97-7  |
| 7540 | Docetaxel EP Impurity C           | VS-D072003 | 153381-68-1  |
| 7541 | Docetaxel EP Impurity D           | VS-D072004 | 162784-72-7  |
| 7542 | Docetaxel EP Impurity E           | VS-D072005 | 32981-86-5   |
| 7543 | Docetaxel EP Impurity F           | VS-D072006 | 33069-62-4   |
| 7544 | Docetaxel EP Impurity G           | VS-D072007 | 125354-16-7  |
| 7545 | Docetaxel 7-Epi-DAB-Impurity      | VS-D072008 | 71629-92-0   |
| 7546 | 7-Methyl Docetaxel                | VS-D072009 | 1420767-25-4 |
| 7547 | 2-Epi Docetaxel Impurity          | VS-D072010 | 133577-33-0  |

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| 7548 | Docetaxel Crotonaldehyde Analog                                     | VS-D072011 | N/A          |
| 7549 | 2 EPI Docetaxel Intermediate                                        | VS-D072012 | 151636-78-1  |
| 7550 | Docetaxel Trihydrate                                                | VS-D072013 | 148408-66-6  |
| 7551 | Hexanoyl Docetaxel Metabolites M1 and M3 (Mixture of Diastereomers) | VS-D072014 | N/A          |
| 7552 | 7,10,13-Tri-O-trichloroethoxycarbonyl-10-deacetyl Baccatin III      | VS-D072015 | 110258-92-9  |
| 7553 | Docetaxel 13-Oxo impurity                                           | VS-D072016 | N/A          |
| 7554 | N-Tigloyl Docetaxel                                                 | VS-D072017 | 76429-85-1   |
| 7555 | 7,10-Di-cis-aconityl-Docetaxel                                      | VS-D072018 | N/A          |
| 7556 | 2',10-Di-cis-aconityl-Docetaxel                                     | VS-D072019 | N/A          |
| 7557 | 2',7-Di-cis-aconityl-Docetaxel                                      | VS-D072020 | N/A          |
| 7558 | 2',-cis-aconityl-Docetaxel                                          | VS-D072021 | 1808949-90-7 |
| 7559 | 7-cis-aconityl-Docetaxel                                            | VS-D072022 | N/A          |
| 7560 | Docetaxel Related Compound 1                                        | VS-D072023 | 132201-32-2  |
| 7561 | Docetaxel Related Compound 2                                        | VS-D072024 | 145514-62-1  |
| 7562 | Docetaxel Impurity 1                                                | VS-D072025 | 158810-73-2  |
| 7563 | Docetaxel Impurity 2                                                | VS-D072026 | 158810-72-1  |
| 7564 | Docetaxel Impurity 3                                                | VS-D072027 | 172018-16-5  |
| 7565 | Docetaxel Impurity 4                                                | VS-D072028 | 153744-63-9  |
| 7566 | Docetaxel Impurity 5                                                | VS-D072029 | 1021489-55-3 |
| 7567 | Docetaxel Impurity 6                                                | VS-D072030 | N/A          |
| 7568 | Docetaxel Impurity 7                                                | VS-D072031 | 223134-87-0  |
| 7569 | Docetaxel Impurity 8                                                | VS-D072032 | N/A          |
| 7570 | Docetaxel Impurity 9                                                | VS-D072033 | 161759-90-6  |
| 7571 | Docetaxel Impurity 10                                               | VS-D072034 | N/A          |
| 7572 | Docetaxel Impurity 11                                               | VS-D072035 | 115437-18-8  |
| 7573 | Docetaxel Impurity 12                                               | VS-D072036 | 165173-47-7  |
| 7574 | Docetaxel Impurity 13                                               | VS-D072037 | 126150-57-0  |
| 7575 | Docetaxel Impurity 14                                               | VS-D072038 | 146924-94-9  |
| 7576 | Docetaxel Impurity 15                                               | VS-D072039 | 146924-91-6  |
| 7577 | Docetaxel Impurity 16                                               | VS-D072040 | 194235-04-6  |
| 7578 | Docetaxel Impurity 17                                               | VS-D072041 | 194235-02-4  |
| 7579 | Docetaxel Impurity 18                                               | VS-D072042 | N/A          |
| 7580 | Docetaxel Impurity 19                                               | VS-D072043 | 1412898-66-8 |
| 7581 | Docetaxel Impurity 20                                               | VS-D072044 | 1217248-58-2 |
| 7582 | Docetaxel Impurity 21                                               | VS-D072045 | 195141-96-9  |
| 7583 | Docetaxel Impurity 22                                               | VS-D072046 | 845639-07-8  |
| 7584 | Docetaxel Impurity 23                                               | VS-D072047 | N/A          |
| 7585 | Dofetilide                                                          | VS-D073000 | 115256-11-6  |
| 7586 | Dofetilide N-Oxide                                                  | VS-D073001 | 144449-71-8  |
| 7587 | Dofetilide USP Related Compound A                                   | VS-D073002 | 176447-94-2  |
| 7588 | Dofetilide Impurity 1                                               | VS-D073003 | 3383-72-0    |
| 7589 | Dofetilide Impurity 2                                               | VS-D073004 | 14467-69-7   |
| 7590 | Dofetilide Impurity 3                                               | VS-D073005 | 85176-37-0   |
| 7591 | Dofetilide Impurity 4                                               | VS-D073006 | 1253791-49-9 |
| 7592 | Dofetilide Impurity 5                                               | VS-D073007 | N/A          |
| 7593 | Dofetilide Impurity 6                                               | VS-D073008 | 107-04-0     |
| 7594 | Dofetilide Impurity 7                                               | VS-D073009 | 115256-13-8  |

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| 7595 | Dofetilide Impurity 8                        | VS-D073010 | 115256-50-3  |
| 7596 | Dofetilide Impurity 9                        | VS-D073011 | N/A          |
| 7597 | Dofetilide Impurity 10                       | VS-D073012 | 115256-47-8  |
| 7598 | Dofetilide Impurity 11                       | VS-D073013 | 115256-48-9  |
| 7599 | Dofetilide Impurity 12                       | VS-D073014 | 04-10-52     |
| 7600 | Dofetilide Impurity 13                       | VS-D073015 | 1226154-86-4 |
| 7601 | Dolasetron                                   | VS-D074000 | 115956-12-2  |
| 7602 | Dolasetron USP Related Compound A            | VS-D074001 | 115956-07-5  |
| 7603 | Dolasetron N-Oxide impurity                  | VS-D074002 | N/A          |
| 7604 | Dolasetron Nitroso Impurity                  | VS-D074003 | N/A          |
| 7605 | Dolasetron Mesylate Hydrate                  | VS-D074004 | 878143-33-0  |
| 7606 | Dolasetron Impurity 1                        | VS-D074005 | N/A          |
| 7607 | Dolasetron Impurity 2                        | VS-D074006 | 125483-30-9  |
| 7608 | Dolutegravir                                 | VS-D075000 | 1051375-16-6 |
| 7609 | Dolutegravir Impurity A                      | VS-D075001 | 1309560-49-3 |
| 7610 | Dolutegravir Impurity B                      | VS-D075002 | 1357289-29-2 |
| 7611 | 4-Defluoro Dolutegravir                      | VS-D075003 | 1863916-87-3 |
| 7612 | Dolutegravir Impurity D                      | VS-D075004 | 2374716-73-9 |
| 7613 | Dolutegravir Impurity E                      | VS-D075005 | 1485081-26-2 |
| 7614 | Dolutegravir Impurity F                      | VS-D075006 | 1246616-73-8 |
| 7615 | 4-Fluoro Dolutegravir                        | VS-D075007 | 1863916-88-4 |
| 7616 | Dolutegravir Impurity H                      | VS-D075008 | 1973402-10-6 |
| 7617 | Dolutegravir Enantiomer Impurity             | VS-D075009 | 1309575-43-6 |
| 7618 | O-Methyl Dolutegravir                        | VS-D075010 | 1335210-35-9 |
| 7619 | 4-epi-Dolutegravir                           | VS-D075011 | 1357289-37-2 |
| 7620 | Dolutegravir oxidative degradation product B | VS-D075012 | 1248263-78-6 |
| 7621 | Dolutegravir Sodium                          | VS-D075013 | 1051375-19-9 |
| 7622 | O-Methyl Dolutegravir                        | VS-D075014 | 2384108-28-3 |
| 7623 | Dolutegravir Desfluoro Impurity              | VS-D075015 | 2244161-71-3 |
| 7624 | Dolutegravir Impurity 1                      | VS-D075016 | 1206102-11-5 |
| 7625 | Dolutegravir Impurity 2                      | VS-D075017 | N/A          |
| 7626 | Dolutegravir Impurity 3                      | VS-D075018 | N/A          |
| 7627 | Dolutegravir Impurity 4                      | VS-D075019 | N/A          |
| 7628 | Dolutegravir Impurity 5                      | VS-D075020 | N/A          |
| 7629 | Dolutegravir Impurity 6                      | VS-D075021 | N/A          |
| 7630 | Dolutegravir Impurity 7                      | VS-D075022 | N/A          |
| 7631 | Dolutegravir Impurity 8                      | VS-D075023 | 1916490-96-4 |
| 7632 | Dolutegravir Impurity 9                      | VS-D075024 | N/A          |
| 7633 | Dolutegravir Impurity 10                     | VS-D075025 | N/A          |
| 7634 | Dolutegravir Impurity 11                     | VS-D075026 | N/A          |
| 7635 | Dolutegravir Impurity C                      | VS-D075027 | 1802141-49-6 |
| 7636 | Dolutegravir Impurity 13                     | VS-D075028 | 2244161-72-4 |
| 7637 | Dolutegravir Impurity 14                     | VS-D075029 | N/A          |
| 7638 | Dolutegravir Impurity 15                     | VS-D075030 | 1973402-05-9 |
| 7639 | Dolutegravir Impurity 16                     | VS-D075031 | N/A          |
| 7640 | Dolutegravir Impurity 17                     | VS-D075032 | N/A          |
| 7641 | Dolutegravir Impurity 18                     | VS-D075033 | N/A          |

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| 7642 | Dolutegravir Impurity 19                                      | VS-D075034 | N/A          |
| 7643 | Dolutegravir Impurity 20                                      | VS-D075035 | N/A          |
| 7644 | Dolutegravir Impurity 21                                      | VS-D075036 | 1335210-34-8 |
| 7645 | Dolutegravir Impurity 22                                      | VS-D075037 | 1335210-23-5 |
| 7646 | Dolutegravir diastereomer                                     | VS-D075038 | 1809261-48-0 |
| 7647 | Dolutegravir Hydroxy impurity                                 | VS-D075039 | N/A          |
| 7648 | Dolutegravir 2-Fluoro impurity                                | VS-D075040 | N/A          |
| 7649 | Dolutegravir-4-fluoro impurity                                | VS-D075041 | N/A          |
| 7650 | dolutegravir Isomer-1                                         | VS-D075042 | N/A          |
| 7651 | dolutegravir Isomer-2                                         | VS-D075043 | N/A          |
| 7652 | Dolutegravir Sodium Monohydrate                               | VS-D075044 | 1229006-39-6 |
| 7653 | Dolutegravir impurity 23                                      | VS-D075045 | 2244161-73-5 |
| 7654 | Dolutegravir Impurity 24                                      | VS-D075046 | N/A          |
| 7655 | Domperidone                                                   | VS-D076000 | 57808-66-9   |
| 7656 | Domperidone EP Impurity A                                     | VS-D076001 | 53786-28-0   |
| 7657 | Domperidone EP Impurity B                                     | VS-D076002 | 1346598-11-5 |
| 7658 | Domperidone EP Impurity C                                     | VS-D076003 | 118435-03-3  |
| 7659 | Domperidone EP Impurity D                                     | VS-D076004 | 1614255-34-3 |
| 7660 | Domperidone EP Impurity E                                     | VS-D076005 | 1346602-50-3 |
| 7661 | Domperidone EP Impurity F                                     | VS-D076006 | N/A          |
| 7662 | Domperidone Maleate                                           | VS-D076007 | 83898-65-1   |
| 7663 | Domperidone Impurity 1                                        | VS-D076008 | 62780-89-6   |
| 7664 | Domperidone Impurity 2                                        | VS-D076009 | N/A          |
| 7665 | Domperidone Impurity 3                                        | VS-D076010 | 72798-66-4   |
| 7666 | Domperidone Impurity 4                                        | VS-D076011 | 39677-10-6   |
| 7667 | Domperidone Impurity 5                                        | VS-D076012 | 87120-77-2   |
| 7668 | Domperidone Impurity 6                                        | VS-D076013 | N/A          |
| 7669 | Domperidone Impurity 7                                        | VS-D076014 | 103784-04-9  |
| 7670 | Domperidone Impurity F                                        | VS-D076015 | 1391053-55-6 |
| 7671 | Domperidone Maleate                                           | VS-D076016 | 99497-03-7   |
| 7672 | 1,3-Bis(3-Chloropropyl)-1,3-dihydro-2H-benzo[d]imidazol-2-one | VS-D076017 | 142799-22-2  |
| 7673 | 3-(3-HYDROXYPROPYL)-1H-BENZIMIDAZOL-2-ONEHYDRATE              | VS-D076018 | 62780-92-1   |
| 7674 | Donepezil                                                     | VS-D077000 | 120014-06-4  |
| 7675 | Donepezil Maleate                                             | VS-D077001 | N/A          |
| 7676 | Donepezil EP Impurity A                                       | VS-D077002 | 120014-30-4  |
| 7677 | Donepezil EP Impurity A (HCl)                                 | VS-D077003 | 120013-39-0  |
| 7678 | Donepezil EP Impurity B                                       | VS-D077004 | 2107-69-9    |
| 7679 | Donepezil EP Impurity C                                       | VS-D077005 | 2452407-76-8 |
| 7680 | Donepezil EP Impurity D                                       | VS-D077006 | 4803-57-0    |
| 7681 | Donepezil EP Impurity E                                       | VS-D077007 | 231283-82-2  |
| 7682 | Donepezil EP Impurity F                                       | VS-D077008 | 145546-80-1  |
| 7683 | Donepezil EP Impurity G                                       | VS-D077009 | 2452407-72-4 |
| 7684 | Donepezil Hydroxy Acid Impurity                               | VS-D077010 | N/A          |
| 7685 | Donepezil Benzyl Bromide                                      | VS-D077011 | 844694-85-5  |
| 7686 | Dehydrodeoxy Donepezil                                        | VS-D077012 | 120013-45-8  |
| 7687 | Deoxydonepezil                                                | VS-D077013 | 1034439-57-0 |
| 7688 | Donepezil Dihydro Impurity                                    | VS-D077014 | 120012-04-6  |

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| 7689 | Donepezil N-Oxide                                              | VS-D077015 | 120013-84-5  |
| 7690 | Donepezil Pyridine Dehydro Impurity                            | VS-D077016 | 4803-74-1    |
| 7691 | Hydroxydonepezil                                               | VS-D077017 | 197010-20-1  |
| 7692 | Donepezil Hydrochloride                                        | VS-D077018 | 120011-70-3  |
| 7693 | Donepezil Aldehyde Impurity                                    | VS-D077019 | 22065-85-6   |
| 7694 | Donepezil 6-O-Desmethyl Impurity                               | VS-D077020 | 120013-56-1  |
| 7695 | Donepezil Didesmethyl Impurity                                 | VS-D077021 | 220170-71-8  |
| 7696 | Donepezil alkene pyridine N-oxide                              | VS-D077022 | 896134-06-8  |
| 7697 | Donepezil Pyridine N-Oxide                                     | VS-D077023 | 896134-07-9  |
| 7698 | Donepezil 4-Hydroxy Impurity                                   | VS-D077024 | 197010-22-3  |
| 7699 | Donepezil 5-O-Desmethyl Impurity                               | VS-D077025 | 120013-57-2  |
| 7700 | Donepezil 3-Hydroxy Impurity                                   | VS-D077026 | 2097683-67-3 |
| 7701 | Donepezil Alkene Pyridine N-Oxide                              | VS-D077027 | 2452407-68-8 |
| 7702 | 6-O-Desmethyl Donepezil Glucuronide (Mixture of Diastereomers) | VS-D077028 | 220170-73-0  |
| 7703 | Donepezil Impurity 1                                           | VS-D077029 | N/A          |
| 7704 | Donepezil Impurity 2                                           | VS-D077030 | 36517-91-6   |
| 7705 | Donepezil Impurity 3                                           | VS-D077031 | 1023500-88-0 |
| 7706 | Donepezil Impurity 4                                           | VS-D077032 | 2452407-69-9 |
| 7707 | Donepezil Impurity 6                                           | VS-D077033 | N/A          |
| 7708 | Donepezil Impurity 8                                           | VS-D077034 | 1808997-65-0 |
| 7709 | Donepezil Impurity 9                                           | VS-D077035 | 2452407-71-3 |
| 7710 | Donepezil Impurity 11                                          | VS-D077036 | 2230493-73-7 |
| 7711 | Donepezil Impurity 12                                          | VS-D077037 | N/A          |
| 7712 | Donepezil Impurity 13                                          | VS-D077038 | 608511-44-0  |
| 7713 | Donepezil Impurity 14                                          | VS-D077039 | 329010-67-5  |
| 7714 | Donepezil Impurity 15                                          | VS-D077040 | N/A          |
| 7715 | Donepezil Impurity 16                                          | VS-D077041 | 1034439-43-4 |
| 7716 | Donepezil Impurity 17                                          | VS-D077042 | N/A          |
| 7717 | Donepezil Impurity 18                                          | VS-D077043 | 110406-97-8  |
| 7718 | Donepezil Impurity 19                                          | VS-D077044 | 50786-50-0   |
| 7719 | Donepezil Impurity 20                                          | VS-D077045 | 120013-56-1  |
| 7720 | Donepezil Impurity 21                                          | VS-D077046 | 4693-38-3    |
| 7721 | Donepezil Dehydro Impurity (E/Z mixture)                       | VS-D077047 | 120014-07-5  |
| 7722 | Donepezil Impurity 22                                          | VS-D077048 | 5888-52-8    |
| 7723 | Donepezil Impurity 23                                          | VS-D077049 | 104397-78-6  |
| 7724 | Donepezil Impurity 24                                          | VS-D077050 | 2069210-78-0 |
| 7725 | Donepezil Impurity 25                                          | VS-D077051 | 2069210-77-9 |
| 7726 | Donepezil Impurity 26                                          | VS-D077052 | 2069210-84-8 |
| 7727 | Donepezil Impurity 27                                          | VS-D077053 | 2069210-83-7 |
| 7728 | N-Nitroso Donepezil EP Impurity A                              | VS-D077054 | NA           |
| 7729 | Donepezil Deoxy Impurity                                       | VS-D077055 | 844694-84-4  |
| 7730 | Donepezil Open-Ring Keto Acid                                  | VS-D077056 | 197010-25-6  |
| 7731 | Dopamine Hydrochloride                                         | VS-D078001 | 62-31-7      |
| 7732 | Dopamine EP Impurity A                                         | VS-D078002 | 3213-30-7    |
| 7733 | Dopamine EP Impurity B                                         | VS-D078003 | 554-52-9     |
| 7734 | Dopamine EP Impurity C                                         | VS-D078004 | 120-20-7     |
| 7735 | Dopamine-N-Beta-Glucoside                                      | VS-D078005 | 1053262-94-4 |

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| 7736 | Dopamine-N-Alfa-Glucoside                               | VS-D078006 | N/A          |
| 7737 | Dopamine-3-O-Beta-Glucoside                             | VS-D078007 | 50908-96-8   |
| 7738 | Dopamine-3-O-Alfa-Glucoside                             | VS-D078008 | 155525-78-3  |
| 7739 | Dopamine-4-O-Beta-Glucoside                             | VS-D078009 | 50909-01-8   |
| 7740 | Dopamine-4-O-Alfa-Glucoside                             | VS-D078010 | 155525-79-4  |
| 7741 | Dorzolamide                                             | VS-D079000 | 120279-96-1  |
| 7742 | Dorzolamide HCl                                         | VS-D079001 | 130693-82-2  |
| 7743 | Dorzolamide EP Impurity A                               | VS-D079002 | 122028-36-8  |
| 7744 | Dorzolamide EP Impurity B                               | VS-D079003 | 120279-90-5  |
| 7745 | Dorzolamide EP Impurity C                               | VS-D079004 | N/A          |
| 7746 | Dorzolamide EP Impurity D                               | VS-D079005 | 164455-27-0  |
| 7747 | Dorzolamide N-Acetyl Analog                             | VS-D079006 | 147200-03-1  |
| 7748 | Dorzolamide Maleic Acid Adduct mixture of diastereomers | VS-D079007 | N/A          |
| 7749 | Dorzolamide Desaminosulfonyl HCl                        | VS-D079008 | 403848-01-1  |
| 7750 | Dorzolamide N-Sulfonamide Dimer                         | VS-D079009 | 199734-72-0  |
| 7751 | Dorzolamide USP Related Compound A                      | VS-D079010 | 120279-36-9  |
| 7752 | N-Acetyl Dorzolamide                                    | VS-D079011 | 403848-09-9  |
| 7753 | Dorzolamide Impurity 2                                  | VS-D079012 | 199734-71-9  |
| 7754 | Dorzolamide Impurity 3                                  | VS-D079013 | 1417579-07-7 |
| 7755 | Dorzolamide Impurity 4                                  | VS-D079014 | 120279-26-7  |
| 7756 | Dorzolamide Impurity 5                                  | VS-D079015 | N/A          |
| 7757 | Dorzolamide Impurity 6                                  | VS-D079016 | 149249-72-9  |
| 7758 | Dorzolamide Impurity 7                                  | VS-D079017 | N/A          |
| 7759 | Dorzolamide EP Impurity B (HCl)                         | VS-D079018 | 120279-37-0  |
| 7760 | O-Dimethyl Dorzolamide Maleic Acid Adduct               | VS-D079019 | N/A          |
| 7761 | N-Nitroso Dorzolamide Impurity 1                        | VS-D079020 | N/A          |
| 7762 | Dorzolamide Impurity 8                                  | VS-D079021 | 403848-42-0  |
| 7763 | Dorzolamide Impurity 9                                  | VS-D079022 | 403848-41-9  |
| 7764 | Dosulepin Hydrochloride                                 | VS-D080001 | 897-15-4     |
| 7765 | Dosulepin EP Impurity A                                 | VS-D080002 | 1447-71-8    |
| 7766 | Dosulepin EP Impurity B                                 | VS-D080003 | 1531-77-7    |
| 7767 | Dosulepin EP Impurity C                                 | VS-D080004 | 1531-85-7    |
| 7768 | Dosulepin EP Impurity D                                 | VS-D080005 | 33301-24-5   |
| 7769 | Dosulepin EP Impurity E                                 | VS-D080006 | 25627-38-7   |
| 7770 | Dosulepin Hydrochloride Impurity E                      | VS-D080007 | 25627-39-8   |
| 7771 | Doxazosin                                               | VS-D081000 | 77883-43-3   |
| 7772 | Doxazosin EP Impurity A                                 | VS-D081001 | 3663-80-7    |
| 7773 | Doxazosin EP Impurity B (HCl)                           | VS-D081002 | 70918-74-0   |
| 7774 | Doxazosin EP Impurity C                                 | VS-D081003 | 617677-53-9  |
| 7775 | Doxazosin EP Impurity D                                 | VS-D081004 | 28888-44-0   |
| 7776 | Doxazosin EP Impurity E                                 | VS-D081005 | 27631-29-4   |
| 7777 | Doxazosin EP Impurity F                                 | VS-D081006 | 23680-84-4   |
| 7778 | Doxazosin EP Impurity G                                 | VS-D081007 | 60547-97-9   |
| 7779 | Doxazosin EP Impurity G HCl                             | VS-D081008 | 60548-08-5   |
| 7780 | Doxazosin EP Impurity H                                 | VS-D081009 | 102839-00-9  |
| 7781 | Doxazosin Acetylpiperazinyl impurity                    | VS-D081010 | 695217-74-4  |
| 7782 | Doxazosin Impurity 1                                    | VS-D081011 | 102932-28-5  |

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| 7783 | Doxazosin Impurity 2                             | VS-D081012 | 102932-29-6  |
| 7784 | Doxazosin Mesylate Impurity H (HCl)              | VS-D081013 | 104965-50-6  |
| 7785 | Doxazosin EP Impurity B                          | VS-D081014 | 70918-00-2   |
| 7786 | Doxepin Hydrochloride                            | VS-D082000 | 1229-29-4    |
| 7787 | Doxepin EP Impurity A                            | VS-D082001 | 4504-87-4    |
| 7788 | Doxepin EP impurity B                            | VS-D082002 | 4504-88-5    |
| 7789 | Doxepin EP Impurity B (HCl)                      | VS-D082003 | N/A          |
| 7790 | Doxepin EP Impurity C                            | VS-D082004 | 67035-76-1   |
| 7791 | Doxepin EP Impurity D                            | VS-D082005 | 3607-18-9    |
| 7792 | Doxepin N-Oxide                                  | VS-D082006 | 22684-91-9   |
| 7793 | 2-(Dibenz[b,e]oxepin-11(6H)-ylidene)acetaldehyde | VS-D082007 | 21324-99-2   |
| 7794 | (E)-N-Acetyl-N-desmethyl Doxepin                 | VS-D082008 | 250331-54-5  |
| 7795 | (E)-N-Desmethyl-N-formyl Doxepin                 | VS-D082009 | 250331-52-3  |
| 7796 | Desmethyl Doxepin                                | VS-D082010 | 2887-91-4    |
| 7797 | Doxepin Impurity 1                               | VS-D082011 | 83473-99-8   |
| 7798 | Doxepin Impurity 2                               | VS-D082012 | 83473-98-7   |
| 7799 | Doxepin Impurity 3                               | VS-D082013 | N/A          |
| 7800 | Doxepin                                          | VS-D082014 | 1668-19-5    |
| 7801 | Doxercalciferol                                  | VS-D083000 | 54573-75-0   |
| 7802 | $\beta$ -Doxercalciferol                         | VS-D083001 | 216309-44-3  |
| 7803 | Doxofylline                                      | VS-D084000 | 69975-86-6   |
| 7804 | Doxofylline Impurity 1                           | VS-D084001 | 1429636-74-7 |
| 7805 | Doxofylline D6                                   | VS-D084002 | 1219805-99-8 |
| 7806 | Doxofylline Impurity-I                           | VS-D084003 | NA           |
| 7807 | Doxofylline Impurity-II                          | VS-D084004 | 5614-53-9    |
| 7808 | Doxofylline Impurity 3                           | VS-D084005 | 1429636-73-6 |
| 7809 | Doxorubicin Hydrochloride                        | VS-D085000 | 25316-40-9   |
| 7810 | Doxorubicin EP Impurity A                        | VS-D085001 | 23541-50-6   |
| 7811 | Doxorubicin EP Impurity B                        | VS-D085002 | 106401-68-7  |
| 7812 | Doxorubicin EP Impurity C                        | VS-D085003 | N/A          |
| 7813 | Doxorubicin Hydrobromide EP Impurity C           | VS-D085004 | 60873-68-9   |
| 7814 | Doxorubicin EP Impurity D                        | VS-D085005 | 24385-10-2   |
| 7815 | Doxorubicin Mixture of Diastereomers             | VS-D085006 | 28008-55-1   |
| 7816 | Doxorubicin Dimer Impurity 1                     | VS-D085007 | 2755741-04-7 |
| 7817 | Doxorubicin Dimer Impurity 2                     | VS-D085008 | N/A          |
| 7818 | Doxorubicin Dimer Impurity 3                     | VS-D085009 | N/A          |
| 7819 | Doxorubicin Impurity-II                          | VS-D085010 | 64845-67-6   |
| 7820 | 9-Carboxy Doxorubicin Impurity                   | VS-D085011 | 69429-21-6   |
| 7821 | Doxorubicin Olefin Impurity                      | VS-D085012 | N/A          |
| 7822 | Doxorubicin Impurity 13                          | VS-D085013 | N/A          |
| 7823 | Doxorubicin Impurity 14                          | VS-D085014 | 73952-94-0   |
| 7824 | Doxorubicin Impurity 15                          | VS-D085015 | N/A          |
| 7825 | Doxorubicin Impurity 16                          | VS-D085016 | N/A          |
| 7826 | Doxorubicin                                      | VS-D085017 | 23214-92-8   |
| 7827 | Doxorubicinol                                    | VS-D086000 | 54193-28-1   |
| 7828 | Doxycycline                                      | VS-D087000 | 564-25-0     |
| 7829 | Doxycycline EP impurity A                        | VS-D087001 | 3219-99-6    |



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| 7830 | Doxycycline EP impurity B                     | VS-D087002 | 3963-95-9    |
| 7831 | Doxycycline EP impurity C                     | VS-D087003 | 6543-77-7    |
| 7832 | Doxycycline EP impurity D                     | VS-D087004 | 97583-08-9   |
| 7833 | Doxycycline EP impurity E                     | VS-D087005 | 79-57-2      |
| 7834 | Doxycycline EP impurity F                     | VS-D087006 | 122861-53-4  |
| 7835 | 6-epidoxycycline hydrochloride                | VS-D087007 | 41411-66-9   |
| 7836 | Doxycycline Hyclate                           | VS-D087008 | 24390-14-5   |
| 7837 | N-Nitroso-N-Desmethyl Doxycycline             | VS-D087009 | NA           |
| 7838 | Doxylamine Succinate                          | VS-D088001 | 562-10-7     |
| 7839 | Doxylamine EP Impurity A (HCl)                | VS-D088002 | N/A          |
| 7840 | Doxylamine EP Impurity B                      | VS-D088003 | 19490-92-7   |
| 7841 | Doxylamine EP Impurity C (HCl)                | VS-D088004 | 1442-21-3    |
| 7842 | Doxylamine EP Impurity D                      | VS-D088005 | 91-02-1      |
| 7843 | Doxylamine N'-Oxide                           | VS-D088006 | 99430-77-0   |
| 7844 | Doxylamine N-Oxide (HCl)                      | VS-D088007 | 2575516-53-7 |
| 7845 | Doxylamine Di-N-Oxide                         | VS-D088008 | N/A          |
| 7846 | N-Desmethyldoxylamine                         | VS-D088009 | 78868-03-8   |
| 7847 | N-Desmethyldoxylamine succinate salt          | VS-D088010 | N/A          |
| 7848 | Doxylamine Dioxide                            | VS-D088011 | N/A          |
| 7849 | Doxylamine N, N'-Dioxide                      | VS-D088012 | 105176-70-3  |
| 7850 | Doxylamine-D5                                 | VS-D088013 | 1173020-59-1 |
| 7851 | Doxylamine EP Impurity A                      | VS-D088014 | 873407-01-3  |
| 7852 | Doxylamine EP Impurity C                      | VS-D088015 | 1221-70-1    |
| 7853 | N,C-Didesmethyl Doxylamine N-Nitroso          | VS-D088016 | N/A          |
| 7854 | Doxylamine ethylamine N-Oxide                 | VS-D088017 | 97143-65-2   |
| 7855 | N-Nitroso Doxylamine                          | VS-D088018 | NA           |
| 7856 | N-Nitroso N-Desmethyl Doxylamine              | VS-D088019 | NA           |
| 7857 | Doxylamine EP Impurity A (Hydrogen Succinate) | VS-D088020 | 2731671-64-8 |
| 7858 | Dronedarone Hydrochloride                     | VS-D089000 | 141625-93-6  |
| 7859 | Dronedarone EP Impurity A                     | VS-D089001 | 141626-35-9  |
| 7860 | Dronedarone EP Impurity B                     | VS-D089002 | 141644-91-9  |
| 7861 | Dronedarone EP Impurity C                     | VS-D089003 | 141626-57-5  |
| 7862 | Dronedarone USP Related Compound D            | VS-D089004 | 141645-16-1  |
| 7863 | Dronedarone N-Oxide                           | VS-D089005 | 1638586-56-7 |
| 7864 | 4-Methoxy benzoic acid                        | VS-D089006 | 58574-03-1   |
| 7865 | 2-Butyl-5-nitrobenzofuran                     | VS-D089007 | 133238-87-6  |
| 7866 | Dronedarone Hydroxy Impurity                  | VS-D089008 | N/A          |
| 7867 | Dronedarone Bromo Acetamide                   | VS-D089009 | 526196-89-4  |
| 7868 | Dronedarone Chloro Ester                      | VS-D089010 | 69076-29-5   |
| 7869 | Dronedarone Methoxy Sulphonamide              | VS-D089011 | N/A          |
| 7870 | Dronedarone Sulfonamide Dimer                 | VS-D089012 | N/A          |
| 7871 | Dronedarone Hydroxy Sulfonamide Impurity      | VS-D089013 | 1448297-16-2 |
| 7872 | Dronedarone Impurity 1                        | VS-D089014 | 141627-42-1  |
| 7873 | Dronedarone Impurity 2                        | VS-D089015 | 873407-01-3  |
| 7874 | Dronedarone Impurity 2                        | VS-D089016 | 1520080-11-8 |
| 7875 | Dronedarone Impurity 3                        | VS-D089017 | 1362693-44-4 |
| 7876 | Dronedarone Impurity 4                        | VS-D089018 | N/A          |

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| 7877 | Dronedarone Impurity 5                                    | VS-D089019 | N/A          |
| 7878 | Dronedarone Impurity 6                                    | VS-D089020 | 437652-07-8  |
| 7879 | Dronedarone Impurity 7                                    | VS-D089021 | 66335-39-5   |
| 7880 | Dronedarone Impurity 9                                    | VS-D089022 | 437651-44-0  |
| 7881 | Droperidol                                                | VS-D090000 | 548-73-2     |
| 7882 | Droperidol EP Impurity A                                  | VS-D090001 | 2147-83-3    |
| 7883 | Droperidol EP Impurity B                                  | VS-D090002 | 1026015-45-1 |
| 7884 | Droperidol EP Impurity C                                  | VS-D090003 | 60373-76-4   |
| 7885 | Droperidol EP Impurity D                                  | VS-D090004 | 466118-75-2  |
| 7886 | Droperidol EP Impurity E                                  | VS-D090005 | 1346604-17-8 |
| 7887 | Dropropizine                                              | VS-D091000 | 17692-31-8   |
| 7888 | Dropropizine N-Oxide                                      | VS-D091001 | 152323-00-7  |
| 7889 | Dropropizine N,N-Dioxide                                  | VS-D091002 | 152237-41-7  |
| 7890 | S-Dropropizine                                            | VS-D091003 | 99291-25-5   |
| 7891 | Levodropropizine N-Oxide                                  | VS-D091004 | 152237-40-6  |
| 7892 | (R)-(+)-Dropropizine                                      | VS-D091005 | 99291-24-4   |
| 7893 | Drospirenone                                              | VS-D092000 | 67392-87-4   |
| 7894 | Drospirenone EP Impurity A                                | VS-D092001 | 67372-68-3   |
| 7895 | Drospirenone EP Impurity B                                | VS-D092002 | N/A          |
| 7896 | Drospirenone EP Impurity C                                | VS-D092003 | 116298-21-6  |
| 7897 | Drospirenone EP Impurity D                                | VS-D092004 | 67372-69-4   |
| 7898 | Drospirenone EP Impurity E                                | VS-D092005 | 90457-65-1   |
| 7899 | Drospirenone EP Impurity F                                | VS-D092006 | N/A          |
| 7900 | Drospirenone EP Impurity G                                | VS-D092007 | 932388-90-4  |
| 7901 | Drospirenone EP Impurity H                                | VS-D092008 | 932388-89-1  |
| 7902 | Drospirenone EP Impurity I                                | VS-D092009 | N/A          |
| 7903 | Drospirenone EP Impurity K                                | VS-D092010 | 889652-31-7  |
| 7904 | Drospirenone Lactol Impurity                              | VS-D092011 | 863329-71-9  |
| 7905 | 5-Hydroxy Drospirenone                                    | VS-D092012 | 197721-70-3  |
| 7906 | 3,2,5 Dihydroxy intermediate                              | VS-D092013 | N/A          |
| 7907 | Drospirenone Impurity 1                                   | VS-D092014 | 5144-25-2    |
| 7908 | Drospirenone Diol Impurity                                | VS-D092015 | N/A          |
| 7909 | Drospirenone Ether Impurity                               | VS-D092016 | N/A          |
| 7910 | Drospirenone Olefinic acid impurity                       | VS-D092017 | N/A          |
| 7911 | Drospirenone EP Impurity J                                | VS-D092018 | N/A          |
| 7912 | 6 Methyl Drospirenone                                     | VS-D092019 | N/A          |
| 7913 | Drospirenone For Peak Identification                      | VS-D092020 | 266-679-2    |
| 7914 | Drotaverine                                               | VS-D093000 | 14009-24-6   |
| 7915 | Drotaverine HCl                                           | VS-D093001 | 985-12-6     |
| 7916 | 3'-Desethoxy Drotaverine HCl                              | VS-D093002 | 85475-87-2   |
| 7917 | 3'-Desethoxy-drotaverine                                  | VS-D093003 | 85475-88-3   |
| 7918 | 2-(3,4-diethoxyphenyl)ethan-1-amine                       | VS-D093004 | 61381-04-2   |
| 7919 | N-(3,4-diethoxyphenethyl)-2-(3,4-diethoxyphenyl)acetamide | VS-D093005 | 6298-46-0    |
| 7920 | Drotaverine Impurity 1                                    | VS-D093006 | 38464-04-9   |
| 7921 | Droxidopa                                                 | VS-D094000 | 23651-95-8   |
| 7922 | Droxidopa Carbamate                                       | VS-D094001 | 55382-14-4   |
| 7923 | Droxidopa Enantiomer                                      | VS-D094002 | 51829-99-3   |

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| 7924 | Droxidopa Benzoate                               | VS-D094003 | N/A          |
| 7925 | Droxidopa Monobenzyl Impurity                    | VS-D094004 | N/A          |
| 7926 | Droxidopa Carbamate Benzoate Impurity            | VS-D094005 | N/A          |
| 7927 | Droxidopa Ammonium Salt Intermediate             | VS-D094006 | N/A          |
| 7928 | Droxidopa Benzaldehyde Compound                  | VS-D094007 | 09-02-47     |
| 7929 | Droxidopa Amine Intermediate                     | VS-D094008 | 55637-52-0   |
| 7930 | Droxidopa Erythro                                | VS-D094009 | N/A          |
| 7931 | 3,4-dihydroxybenzaldehyde                        | VS-D094010 | 139-85-5     |
| 7932 | L-Threo-(2S,3R)-3-(3,4-Dibenzyloxyphenyl) serine | VS-D094011 | 106887-48-3  |
| 7933 | Droxidopa Impurity 1                             | VS-D094012 | 13023-73-9   |
| 7934 | Droxidopa Impurity 2                             | VS-D094013 | 5707-55-1    |
| 7935 | Droxidopa Impurity 3                             | VS-D094014 | 51829-98-2   |
| 7936 | Droxidopa Impurity 6                             | VS-D094015 | 90044-46-5   |
| 7937 | Droxidopa Impurity 7                             | VS-D094016 | 39846-91-8   |
| 7938 | Droxidopa Impurity 8                             | VS-D094017 | 28865-97-6   |
| 7939 | Droxidopa Impurity 9                             | VS-D094018 | 34047-62-6   |
| 7940 | Droxidopa Impurity 10                            | VS-D094019 | 3916-18-5    |
| 7941 | Droxidopa Impurity 11                            | VS-D094020 | 16322-99-9   |
| 7942 | Droxidopa Impurity 18                            | VS-D094021 | 78603-91-5   |
| 7943 | Droxidopa Impurity 20                            | VS-D094022 | 2097541-16-5 |
| 7944 | Droxidopa Impurity 21                            | VS-D094023 | N/A          |
| 7945 | Droxidopa Impurity 22                            | VS-D094024 | 56672-56-1   |
| 7946 | Droxidopa Impurity 23                            | VS-D094025 | 1432483-91-4 |
| 7947 | Droxidopa Impurity 24                            | VS-D094026 | N/A          |
| 7948 | Droxidopa Impurity 25                            | VS-D094027 | 96561-53-4   |
| 7949 | Droxidopa Impurity 26                            | VS-D094028 | 96561-44-3   |
| 7950 | Duloxetine                                       | VS-D095000 | 116539-59-4  |
| 7951 | Duloxetine Hydrochloride                         | VS-D095001 | 136434-34-9  |
| 7952 | Duloxetine EP Impurity A                         | VS-D095002 | 910138-96-4  |
| 7953 | Duloxetine EP Impurity B                         | VS-D095003 | 116539-55-0  |
| 7954 | Duloxetine EP Impurity C                         | VS-D095004 | 949095-98-1  |
| 7955 | Duloxetine EP Impurity D                         | VS-D095005 | 90-15-3      |
| 7956 | Duloxetine EP Impurity E                         | VS-D095006 | 1033803-59-6 |
| 7957 | Duloxetine EP Impurity F (Oxalic Acid)           | VS-D095007 | 2379325-42-3 |
| 7958 | Duloxetine EP Impurity G                         | VS-D095008 | 321-38-0     |
| 7959 | Duloxetine USP RC H                              | VS-D095009 | 199191-66-7  |
| 7960 | Duloxetine Impurity F                            | VS-D095010 | N/A          |
| 7961 | Duloxetine Related Compound J                    | VS-D095011 | N/A          |
| 7962 | Duloxetine S-Hydroxy Impurity                    | VS-D095012 | 132335-44-5  |
| 7963 | Duloxetine N-Desmethyl (R)-Isomer                | VS-D095013 | N/A          |
| 7964 | Duloxetine N-Desmethyl Oxalate                   | VS-D095014 | N/A          |
| 7965 | Duloxetine Dimethyl impurity                     | VS-D095015 | 932013-45-1  |
| 7966 | Duloxetine N-Methyl 3-Thiophene Isomer           | VS-D095016 | 1384080-34-5 |
| 7967 | Duloxetine 2-Naphthalenol Impurity               | VS-D095017 | 1346599-09-4 |
| 7968 | Duloxetine Phthalimide                           | VS-D095018 | 199191-67-8  |
| 7969 | 5-Hydroxy-6-methoxy duloxetine sulfate           | VS-D095019 | 732983-57-2  |
| 7970 | 4-Hydroxy Duloxetine Acetate                     | VS-D095020 | N/A          |

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| 7971 | Duloxetine Impurity (N-formyl)                                   | VS-D095021 | 1243540-89-7 |
| 7972 | Duloxetine Impurity (N-acetyl)                                   | VS-D095022 | 1243540-90-0 |
| 7973 | Duloxetine R-Hydroxy Impurity                                    | VS-D095023 | 132335-49-0  |
| 7974 | 1-Naphthylamine                                                  | VS-D095024 | 134-32-7     |
| 7975 | Duloxetine Impurity 1                                            | VS-D095025 | N/A          |
| 7976 | Duloxetine Impurity 2                                            | VS-D095026 | N/A          |
| 7977 | Duloxetine Impurity 3                                            | VS-D095027 | 132335-47-8  |
| 7978 | Duloxetine Impurity 4                                            | VS-D095028 | 2230525-40-1 |
| 7979 | Duloxetine Impurity 5                                            | VS-D095029 | 645411-16-1  |
| 7980 | Duloxetine Impurity 6                                            | VS-D095030 | 2230525-45-6 |
| 7981 | Duloxetine Impurity 7                                            | VS-D095031 | 494221-37-3  |
| 7982 | Duloxetine Impurity 8                                            | VS-D095032 | N/A          |
| 7983 | Duloxetine Phenyl Carbamate                                      | VS-D095033 | 947686-09-1  |
| 7984 | Duloxetine impurity 10                                           | VS-D095034 | 13196-35-5   |
| 7985 | Duloxetine Impurity 11                                           | VS-D095035 | 603996-87-8  |
| 7986 | Duloxetine Impurity 12                                           | VS-D095036 | 603959-56-4  |
| 7987 | Duloxetine Impurity 13                                           | VS-D095037 | 116817-12-0  |
| 7988 | Duloxetine Impurity 14                                           | VS-D095038 | 116817-14-2  |
| 7989 | Duloxetine Impurity 15                                           | VS-D095039 | N/A          |
| 7990 | Duloxetine Impurity 16                                           | VS-D095040 | 2418708-78-6 |
| 7991 | Duloxetine Impurity 17                                           | VS-D095041 | N/A          |
| 7992 | Duloxetine Impurity 18                                           | VS-D095042 | 116539-56-1  |
| 7993 | Duloxetine Related Compound F                                    | VS-D095043 | 1104890-90-5 |
| 7994 | Duloxetine Impurity 20                                           | VS-D095044 | N/A          |
| 7995 | Duloxetine Impurity 21                                           | VS-D095045 | 13636-02-7   |
| 7996 | Duloxetine EP Impurity E (HCl)                                   | VS-D095046 | 1033719-36-6 |
| 7997 | (S)-(+)-N,N-Dimethyl-3-(1-Naphthoxy)-3-(2-Thienyl)-1-Propylamine | VS-D095047 | 132335-46-7  |
| 7998 | Duloxetine Impurity C                                            | VS-D095048 | 949096-01-9  |
| 7999 | Duloxetine Hydrochloride                                         | VS-D095049 | 953028-76-7  |
| 8000 | (R)-Duloxetine Hydrochloride                                     | VS-D095050 | 910138-96-4  |
| 8001 | rac Duloxetine 3-Thiophene Isomer Oxalate                        | VS-D095051 | 116817-28-8  |
| 8002 | Duloxetine Nitroso Impurity 2                                    | VS-D095052 | 2680527-91-5 |
| 8003 | Duloxetine R-Isomer                                              | VS-D095053 | 116539-57-2  |
| 8004 | Recemic Duloxetine HCl                                           | VS-D095054 | NA           |
| 8005 | N-Nitroso Duloxetine EP Impurity B                               | VS-D095055 | NA           |
| 8006 | DULOXETINE Chloro impurity                                       | VS-D095056 | 1104890-93-8 |
| 8007 | Duloxetine Alcohol impurity                                      | VS-D095057 | 116539-57-2  |
| 8008 | Dutasteride                                                      | VS-D096000 | 164656-23-9  |
| 8009 | Dutasteride EP Impurity A                                        | VS-D096001 | 104239-97-6  |
| 8010 | Dutasteride EP Impurity B                                        | VS-D096002 | 2512195-98-9 |
| 8011 | Dutasteride EP Impurity C                                        | VS-D096003 | 157307-36-3  |
| 8012 | Dutasteride EP Impurity D                                        | VS-D096004 | N/A          |
| 8013 | Dutasteride EP Impurity E                                        | VS-D096005 | 1796930-46-5 |
| 8014 | Dutasteride EP Impurity F                                        | VS-D096006 | 1365545-42-1 |
| 8015 | Dutasteride EP Impurity G                                        | VS-D096007 | 1430804-85-5 |
| 8016 | Dutasteride EP Impurity H                                        | VS-D096008 | N/A          |
| 8017 | Dutasteride EP Impurity I                                        | VS-D096009 | N/A          |

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| 8018 | Dutasteride Dihydro Impurity                  | VS-D096010 | 164656-22-8  |
| 8019 | Dutasteride Impurity 1                        | VS-D096011 | N/A          |
| 8020 | Dutasteride Impurity 2                        | VS-D096012 | 1648593-70-7 |
| 8021 | Desmethyl-6,8,10-triene Dutasteride           | VS-D096013 | 952718-75-1  |
| 8022 | Dutasteride Beta-Isomer                       | VS-D096014 | 957229-52-6  |
| 8023 | Dydrogesterone                                | VS-D097000 | 152-62-5     |
| 8024 | Dydrogesterone EP Impurity A                  | VS-D097001 | 23035-53-2   |
| 8025 | Dydrogesterone EP Impurity B                  | VS-D097002 | 1162-56-7    |
| 8026 | Dydrogesterone EP Impurity C                  | VS-D097003 | 246038-13-1  |
| 8027 | Dydrogesterone IH impurity C                  | VS-D097004 | 25093-47-4   |
| 8028 | 20 $\alpha$ -Dihydrodydrogesterone            | VS-D097005 | 4243-74-7    |
| 8029 | Dydrogesterone Impurity 1                     | VS-D097006 | 5488-51-7    |
| 8030 | Dydrogesterone Impurity 2                     | VS-D097007 | 15570-45-3   |
| 8031 | Dextromethorphan                              | VS-D098000 | 125-71-3     |
| 8032 | Dextromethorphan Impurity A (HCl)             | VS-D098001 | 1087-69-0    |
| 8033 | Dextromethorphan Impurity B (HCl)             | VS-D098002 | 69376-27-8   |
| 8034 | Dextromethorphan Impurity C                   | VS-D098003 | 57969-05-8   |
| 8035 | Dextromethorphan Impurity D                   | VS-D098004 | 1453167-99-1 |
| 8036 | (+)-3-Methoxy-N-Formylmorphinan               | VS-D098005 | 28973-48-0   |
| 8037 | (R)-N-Formyl Octabase                         | VS-D098006 | 51773-23-0   |
| 8038 | Dextromethorphan N-Oxide Hydrochloride        | VS-D098007 | 1177419-85-0 |
| 8039 | Dextromethorphan Hydrobromide Monohydrate     | VS-D098008 | 6700-34-1    |
| 8040 | Dextromethorphan-d3                           | VS-D098009 | 524713-56-2  |
| 8041 | Levomethorphan                                | VS-D098010 | 125-70-2     |
| 8042 | Dextromethorphan EP Impurity A                | VS-D098011 | 1531-23-3    |
| 8043 | Dextromethorphan EP Impurity B                | VS-D098012 | 125-73-5     |
| 8044 | Dextromethorphan Related Compound A           | VS-D098013 | 1531-25-5    |
| 8045 | N-Formyl Octabase                             | VS-D098014 | 29144-31-8   |
| 8046 | Dextromethorphan EP Impurity D (Picrate Salt) | VS-D098015 | NA           |
| 8047 | Dextromethorphan Impurity 1                   | VS-D098016 | 3561-92-0    |
| 8048 | 10 $\alpha$ -Hydroxy Dextromethorphan         | VS-D098017 | 1330276-88-4 |
| 8049 | N-Nitroso Dextromethorphan EP Impurity A      | VS-D098018 | NA           |
| 8050 | Dextrorphan                                   | VS-D099000 | 125-73-5     |
| 8051 | Diazepam                                      | VS-D100000 | 439-14-5     |
| 8052 | Diazepam EP Impurity A                        | VS-D100001 | 1088-11-5    |
| 8053 | Diazepam EP Impurity B                        | VS-D100002 | 6021-21-2    |
| 8054 | Diazepam EP Impurity C                        | VS-D100003 | 5220-02-0    |
| 8055 | Diazepam EP Impurity D                        | VS-D100004 | 1022-13-5    |
| 8056 | Diazepam EP Impurity E                        | VS-D100005 | 20927-53-1   |
| 8057 | Diazepam EP Impurity F                        | VS-D100006 | 31269-33-7   |
| 8058 | Diazepam EP Impurity 1                        | VS-D100007 | 36020-94-7   |
| 8059 | Diazepam EP Impurity 2                        | VS-D100008 | NA           |
| 8060 | Diazepam dimer                                | VS-D100009 | 3646-61-5    |
| 8061 | Dabrafenib Mesylate                           | VS-D101000 | 1195768-06-9 |
| 8062 | Dabrafenib                                    | VS-D101001 | 1195765-45-7 |
| 8063 | Dabrafenib Impurity 1                         | VS-D101002 | 2017554-98-0 |
| 8064 | Dabrafenib Impurity 2                         | VS-D101003 | NA           |

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| 8065 | Dabrafenib Impurity 3                      | VS-D101004 | NA           |
| 8066 | Dabrafenib Impurity 4                      | VS-D101005 | NA           |
| 8067 | Daidzin                                    | VS-D102000 | 552-66-9     |
| 8068 | Dalargin                                   | VS-D103000 | 81733-79-1   |
| 8069 | Deferoxamine Mesylate                      | VS-D104000 | 138-14-7     |
| 8070 | Deferoxamine EP Impurity A                 | VS-D104001 | 1884272-02-9 |
| 8071 | Deferoxamine EP Impurity B                 | VS-D104002 | 252325-60-3  |
| 8072 | Deferoxamine EP Impurity C                 | VS-D104003 | 2061568-49-6 |
| 8073 | Deferoxamine EP Impurity E                 | VS-D104004 | 804456-12-0  |
| 8074 | Deferoxamine EP Impurity F                 | VS-D104005 | NA           |
| 8075 | Deferoxamine EP Impurity H                 | VS-D104006 | NA           |
| 8076 | Deferoxamine EP Impurity I                 | VS-D104007 | NA           |
| 8077 | Deferoxamine EP Impurity J                 | VS-D104008 | 1623757-38-9 |
| 8078 | Deferoxamine EP Impurity K                 | VS-D104009 | NA           |
| 8079 | Deferoxamine Impurity 1                    | VS-D104010 | NA           |
| 8080 | Deferoxamine Impurity 2                    | VS-D104011 | 5722-48-5    |
| 8081 | Deferoxamine Impurity 3                    | VS-D104012 | NA           |
| 8082 | Deferoxamine Impurity 4                    | VS-D104013 | NA           |
| 8083 | Deferoxamine Impurity 5                    | VS-D104014 | NA           |
| 8084 | Deferoxamine Impurity 6                    | VS-D104015 | 149471-25-0  |
| 8085 | Degarelix Acetate                          | VS-D105000 | 934016-19-0  |
| 8086 | Degarelix                                  | VS-D105001 | 214766-78-6  |
| 8087 | Denaverine Hydrochloride                   | VS-D106000 | 3321-06-0    |
| 8088 | Deoxynivalenol                             | VS-D107000 | 51481-10-8   |
| 8089 | Desoxycorticosterone Acetate               | VS-D108000 | 56-47-3      |
| 8090 | Dexamfetamine Sulfate EP Impurity A        | VS-D109000 | 698-87-3     |
| 8091 | Dexamfetamine Sulfate EP Impurity B        | VS-D109001 | 103-79-7     |
| 8092 | Dexamfetamine Sulfate EP Impurity C        | VS-D109002 | 71031-15-7   |
| 8093 | Dexamfetamine Sulfate EP Impurity D        | VS-D109003 | 100-52-7     |
| 8094 | Dexamfetamine Sulfate EP Impurity E        | VS-D109004 | 156-34-3     |
| 8095 | Diafenthuron                               | VS-D110000 | 80060-09-9   |
| 8096 | Diazinon                                   | VS-D111000 | 333-41-5     |
| 8097 | Dichlorvos                                 | VS-D112000 | 62-73-7      |
| 8098 | Diclofenamide                              | VS-D113000 | 120-97-8     |
| 8099 | 1,1 Dichlorphenamide Dimer                 | VS-D113001 | NA           |
| 8100 | 1,3 Dichlorphenamide Dimer                 | VS-D113002 | NA           |
| 8101 | Dichlorphenamide-13C6                      | VS-D113003 | 1391054-76-4 |
| 8102 | Diethyltoluamide                           | VS-D114000 | 134-62-3     |
| 8103 | Diethyltoluamide USP Related Compound A    | VS-D114001 | 04-05-28     |
| 8104 | Diflubenzuron                              | VS-D115000 | 35367-38-5   |
| 8105 | Dihydralazine Sulfate                      | VS-D116000 | 7327-87-9    |
| 8106 | Dihydralazine EP Impurity A                | VS-D116001 | 649765-80-0  |
| 8107 | Dihydralazine EP Impurity B                | VS-D116002 | 302-01-2     |
| 8108 | Dihydralazine EP Impurity C                | VS-D116003 | 86-54-4      |
| 8109 | Dihydroergocristine Mesilate EP Impurity A | VS-D117000 | 2410-19-7    |
| 8110 | Dihydroergocristine Mesilate EP Impurity B | VS-D117001 | 06-09-40     |
| 8111 | Dihydroergocristine Mesilate EP Impurity C | VS-D117002 | 76189-70-3   |

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| 8112 | Dihydroergocristine Mesilate EP Impurity D            | VS-D117003 | 3036-37-1    |
| 8113 | Dihydroergocristine Mesilate EP Impurity E            | VS-D117004 | 511-12-6     |
| 8114 | Dihydroergocristine Mesilate EP Impurity F            | VS-D117005 | 25447-65-8   |
| 8115 | Dihydroergocristine Mesilate EP Impurity G            | VS-D117006 | 3609-19-6    |
| 8116 | Dihydroergocristine Mesilate EP Impurity H            | VS-D117007 | 25447-66-9   |
| 8117 | Dihydroergocristine Mesilate EP Impurity I            | VS-D117008 | NA           |
| 8118 | Dihydroergocristine Mesilate EP Impurity J            | VS-D117009 | 228086-92-8  |
| 8119 | Dihydroergocristine Mesilate EP Impurity K            | VS-D117010 | 511-08-0     |
| 8120 | Dihydroergocristine Mesilate EP Impurity L            | VS-D117011 | 84094-91-7   |
| 8121 | Dihydro Ergosine                                      | VS-D117012 | 7288-61-1    |
| 8122 | Ergotamine Impurity 1                                 | VS-D117013 | NA           |
| 8123 | Dihydrolysergic Acid                                  | VS-D117014 | 5878-43-3    |
| 8124 | Dihydroergotamine Mesilate                            | VS-D118000 | 6190-39-2    |
| 8125 | Dihydroergotamine EP Impurity A                       | VS-D118001 | 113-15-5     |
| 8126 | Dihydroergotamine EP Impurity B                       | VS-D118002 | 3609-19-6    |
| 8127 | Dihydroergotamine EP Impurity C                       | VS-D118003 | NA           |
| 8128 | Dihydroergotamine EP Impurity D                       | VS-D118004 | 5550-75-4    |
| 8129 | Dihydroergotamine EP Impurity E                       | VS-D118005 | 17479-19-5   |
| 8130 | Dihydroergotamine Mesylate Impurity 1                 | VS-D118006 | 81149-12-4   |
| 8131 | Dihydroergotamine Mesylate Impurity 2                 | VS-D118007 | NA           |
| 8132 | Dihydroergotamine Mesylate Impurity 3                 | VS-D118008 | NA           |
| 8133 | Dihydroergotamine Mesylate Impurity 4                 | VS-D118009 | NA           |
| 8134 | Dimethicone                                           | VS-D119000 | 9006-65-9    |
| 8135 | Dinotefuran                                           | VS-D120000 | 165252-70-0  |
| 8136 | Dinotefuran UF                                        | VS-D120001 | 457614-34-5  |
| 8137 | Dinotefuran DN                                        | VS-D120002 | 457614-32-3  |
| 8138 | Dirithromycin                                         | VS-D121000 | 62013-04-1   |
| 8139 | Dirithromycin EP Impurity A                           | VS-D121001 | 26116-56-3   |
| 8140 | Dirithromycin EP Impurity B                           | VS-D121002 | NA           |
| 8141 | Dirithromycin EP Impurity C                           | VS-D121003 | 141262-14-8  |
| 8142 | Dirithromycin EP Impurity D                           | VS-D121004 | 910914-82-8  |
| 8143 | Dirithromycin EP Impurity E                           | VS-D121005 | NA           |
| 8144 | Disuprazole                                           | VS-D122000 | 99499-40-8   |
| 8145 | Dobesilic Acid                                        | VS-D123000 | 117552-78-0  |
| 8146 | Docosahexaenoic Acid                                  | VS-D124000 | 6217-54-5    |
| 8147 | Cis-4,7,10,13,16,19-Docosahexaenoic Acid Methyl Ester | VS-D124001 | 2566-90-7    |
| 8148 | Tridocosahexaenoylglycerol                            | VS-D124002 | 124596-98-1  |
| 8149 | Docosahexaenoic Acid Ethyl Ester                      | VS-D124003 | 84494-72-4   |
| 8150 | (S)-12-Methyltetradecanoic acid                       | VS-D124004 | 5746-58-7    |
| 8151 | Cis-13,16-Docosadienoic Acid                          | VS-D124005 | 7370-49-2    |
| 8152 | Docusate Sodium                                       | VS-D125000 | 577-11-7     |
| 8153 | Docusate Sodium USP Related Compound B                | VS-D125001 | 86878-53-7   |
| 8154 | Docusate Impurity 1                                   | VS-D125002 | 96954-01-7   |
| 8155 | Docusate Impurity 2                                   | VS-D125003 | 2575516-71-9 |
| 8156 | Docusate Impurity 3                                   | VS-D125004 | 2575516-73-1 |
| 8157 | Doripenem                                             | VS-D126000 | 148016-81-3  |
| 8158 | Doripenem Monohydrate                                 | VS-D126001 | 364622-82-2  |

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| 8159 | Dyclonine Hydrochloride                        | VS-D127000 | 536-43-6     |
| 8160 | DYCLONINE Hydroxy impurity                     | VS-D127001 | 165261-15-4  |
| 8161 | DYCLONINE Vinyl impurity                       | VS-D127002 | 66536-15-0   |
| 8162 | Diphenoxylate Hydrochloride                    | VS-D128000 | 3810-80-8    |
| 8163 | Divalproex sodium                              | VS-D129000 | 76584-70-8   |
| 8164 | Ebastine                                       | VS-E001000 | 90729-43-4   |
| 8165 | Ebastine EP Impurity A                         | VS-E001001 | 91-01-0      |
| 8166 | Ebastine EP Impurity B                         | VS-E001002 | 943-27-1     |
| 8167 | Ebastine EP Impurity C                         | VS-E001003 | 58258-01-8   |
| 8168 | Ebastine EP Impurity D                         | VS-E001004 | 97928-18-2   |
| 8169 | Ebastine EP Impurity E                         | VS-E001005 | 1312211-93-0 |
| 8170 | Ebastine EP Impurity F                         | VS-E001006 | 1429071-63-5 |
| 8171 | Ebastine EP Impurity G                         | VS-E001007 | 1429071-65-7 |
| 8172 | Ebastine Hydroxy Impurity                      | VS-E001008 | 210686-41-2  |
| 8173 | Ebastine Impurity 1                            | VS-E001009 | 1661001-35-9 |
| 8174 | Eberconazole                                   | VS-E002000 | 128326-82-9  |
| 8175 | Eberconazole nitrate C-Trans Position Impurity | VS-E002001 | N/A          |
| 8176 | Eberconazole Hydroxyderivative Impurity        | VS-E002002 | 130126-89-5  |
| 8177 | Eberconazole Impurity 1                        | VS-E002003 | N/A          |
| 8178 | Eberconazole Impurity 2                        | VS-E002004 | N/A          |
| 8179 | Echimidine                                     | VS-E003000 | 520-68-3     |
| 8180 | Echimidine N-oxide                             | VS-E003001 | 41093-89-4   |
| 8181 | Econazole Nitrate                              | VS-E004000 | 24169-02-6   |
| 8182 | Econazole EP Impurity A                        | VS-E004001 | 24155-42-8   |
| 8183 | Econazole EP Impurity B                        | VS-E004002 | 2334059-11-7 |
| 8184 | Econazole EP Impurity C                        | VS-E004003 | N/A          |
| 8185 | Econazole Impurity 1                           | VS-E004004 | N/A          |
| 8186 | Econazole Related Compound B                   | VS-E004005 | N/A          |
| 8187 | Econazole Related Compound C                   | VS-E004006 | N/A          |
| 8188 | Edaravone                                      | VS-E005000 | 89-25-8      |
| 8189 | Edaravone N-Oxide                              | VS-E005001 | 152494-76-3  |
| 8190 | Edaravone Trimer Impurity                      | VS-E005002 | 68195-63-1   |
| 8191 | Edaravone Dimer Impurity                       | VS-E005003 | 177415-76-8  |
| 8192 | Edaravone Related Compound 1                   | VS-E005004 | 19735-89-8   |
| 8193 | Edaravone Impurity 1 Sodium Salt               | VS-E005005 | 1322767-62-3 |
| 8194 | Edaravone Impurity 2                           | VS-E005006 | 1357477-99-6 |
| 8195 | Edaravone Impurity 3 Sodium Salt               | VS-E005007 | 1322767-63-4 |
| 8196 | Edaravone Impurity 4                           | VS-E005008 | 7477-67-0    |
| 8197 | Edaravone Impurity 5                           | VS-E005009 | 124009-63-8  |
| 8198 | Edaravone Impurity 7                           | VS-E005010 | N/A          |
| 8199 | Edaravone Impurity 6                           | VS-E005011 | N/A          |
| 8200 | Edaravone Impurity 8                           | VS-E005012 | 6078-46-2    |
| 8201 | Edaravone Impurity 9                           | VS-E005013 | 1016-41-7    |
| 8202 | Edaravone Impurity 10                          | VS-E005014 | 607-67-0     |
| 8203 | Edaravone Impurity 11                          | VS-E005015 | 881-05-0     |
| 8204 | Edaravone Impurity 12                          | VS-E005016 | 1005763-87-0 |
| 8205 | Edaravone Impurity 13                          | VS-E005017 | 1323485-71-7 |



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| 8206 | Edaravone Dimer N-Oxide                   | VS-E005018 | NA           |
| 8207 | Edoxaban                                  | VS-E006000 | 480449-70-5  |
| 8208 | Edoxaban N-Oxide                          | VS-E006001 | 2244103-96-4 |
| 8209 | Edoxaban Impurity G                       | VS-E006002 | 1255529-26-0 |
| 8210 | Edoxaban Impurity H                       | VS-E006003 | 1255529-28-2 |
| 8211 | Edoxaban Impurity I                       | VS-E006004 | 1255529-23-7 |
| 8212 | Edoxaban Desmethyl Impurity               | VS-E006005 | 778571-11-2  |
| 8213 | Edoxaben Methyl Impurity                  | VS-E006006 | N/A          |
| 8214 | Edoxaben Cyclohexyl Methyl Ester Impurity | VS-E006007 | N/A          |
| 8215 | Edoxaban Oxide Impurity                   | VS-E006008 | N/A          |
| 8216 | Edoxaban Bromo Impurity                   | VS-E006009 | 775280-48-3  |
| 8217 | Edoxaban Dipyridine Impurity              | VS-E006010 | 2568974-02-5 |
| 8218 | Edoxaban Dichloro Dipyridine Impurity     | VS-E006011 | N/A          |
| 8219 | Edoxaban Tosylate Monohydrate             | VS-E006012 | 1229194-11-9 |
| 8220 | Edoxaban Impurity 1                       | VS-E006013 | 1255529-24-8 |
| 8221 | Edoxaban Impurity 2                       | VS-E006014 | 1255529-27-1 |
| 8222 | Edoxaban Impurity 3 Oxalate               | VS-E006015 | 1210348-34-7 |
| 8223 | Edoxaban Impurity 4 Oxalate               | VS-E006016 | N/A          |
| 8224 | Edoxaban Impurity 5                       | VS-E006017 | 1353893-25-0 |
| 8225 | Edoxaban Impurity 6                       | VS-E006018 | 834919-19-6  |
| 8226 | Edoxaban Impurity 7                       | VS-E006019 | 767625-11-6  |
| 8227 | Edoxaban Impurity 8                       | VS-E006020 | N/A          |
| 8228 | Edoxaban Impurity 9(1R,2S,4S)             | VS-E006021 | 2024614-15-9 |
| 8229 | Edoxaban Impurity 10(1R,2S,4S)            | VS-E006022 | 1255529-25-9 |
| 8230 | Edoxaban Impurity 11(1R,2R,4S)            | VS-E006023 | 480451-98-7  |
| 8231 | Edoxaban Impurity 12 (1R,2R,4S)           | VS-E006024 | 500572-10-1  |
| 8232 | Edoxaban Impurity 13(1S,2R,4S)            | VS-E006025 | 480452-36-6  |
| 8233 | Edoxaban Impurity 14                      | VS-E006026 | N/A          |
| 8234 | Edoxaban Impurity 15(1S,2R,4S)            | VS-E006027 | 1353893-22-7 |
| 8235 | Edoxaban Impurity 16                      | VS-E006028 | 480450-69-9  |
| 8236 | Edoxaban Impurity 17                      | VS-E006029 | 929693-30-1  |
| 8237 | Edoxaban Impurity 18                      | VS-E006030 | N/A          |
| 8238 | Edoxaban Impurity 19(1S,2R,4S)            | VS-E006031 | N/A          |
| 8239 | Edoxaban Impurity 20 (1R,2R,4S)           | VS-E006032 | 1928729-31-0 |
| 8240 | Edoxaban Impurity 21(1S,2R,4R)            | VS-E006033 | N/A          |
| 8241 | Edoxaban Impurity 22(1S,2R,4R)            | VS-E006034 | 2024614-32-0 |
| 8242 | Edoxaban Impurity 23(1S,2S,4R)            | VS-E006035 | N/A          |
| 8243 | Edoxaban Impurity 24(1S,2S,4R)            | VS-E006036 | 2024614-21-7 |
| 8244 | Edoxaban Impurity 25(1R,2S,4R) Oxalate    | VS-E006037 | N/A          |
| 8245 | Edoxaban Impurity 26(1R,2S,4R)            | VS-E006038 | 1255529-33-9 |
| 8246 | Edoxaban Impurity 27(1R,2R,4R)            | VS-E006039 | N/A          |
| 8247 | Edoxaban Impurity 28(1R,2R,4R)            | VS-E006040 | 1255529-38-4 |
| 8248 | Edoxaban Impurity 29                      | VS-E006041 | 2578891-59-3 |
| 8249 | Edoxaban Impurity 30                      | VS-E006042 | N/A          |
| 8250 | Edoxaban Impurity 31                      | VS-E006043 | N/A          |
| 8251 | Edoxaban Impurity 32                      | VS-E006044 | 720720-96-7  |
| 8252 | Edoxaban Impurity 33                      | VS-E006045 | 1243308-37-3 |

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| 8253 | Edoxaban Impurity 34                                                                                                                                                    | VS-E006046 | 1445-73-4    |
| 8254 | Edoxaban Impurity 35                                                                                                                                                    | VS-E006047 | 852291-41-9  |
| 8255 | Edoxaban Impurity 36                                                                                                                                                    | VS-E006048 | 852291-42-0  |
| 8256 | Edoxaban Impurity 37                                                                                                                                                    | VS-E006049 | 1072-98-6    |
| 8257 | Edoxaban Impurity 38                                                                                                                                                    | VS-E006050 | 39620-04-7   |
| 8258 | Edoxaban Impurity 39                                                                                                                                                    | VS-E006051 | 19798-80-2   |
| 8259 | Edoxaban Impurity 40                                                                                                                                                    | VS-E006052 | 45644-21-1   |
| 8260 | Edoxaban Impurity 41                                                                                                                                                    | VS-E006053 | 480450-71-3  |
| 8261 | Edoxaban Impurity 42                                                                                                                                                    | VS-E006054 | N/A          |
| 8262 | Edoxaban Impurity 43                                                                                                                                                    | VS-E006055 | 1932494-49-9 |
| 8263 | Edoxaban Impurity 44                                                                                                                                                    | VS-E006056 | N/A          |
| 8264 | Edoxaban-12-Dimer                                                                                                                                                       | VS-E006057 | 349125-14-0  |
| 8265 | Edoxaban Impurity 46                                                                                                                                                    | VS-E006058 | 2089454-69-1 |
| 8266 | Edoxaban Impurity 47 (1S,2S,5R)                                                                                                                                         | VS-E006059 | 2081883-50-1 |
| 8267 | Edoxaban Impurity 48                                                                                                                                                    | VS-E006060 | 2366982-65-0 |
| 8268 | Edoxaban Impurity 49                                                                                                                                                    | VS-E006061 | 1807315-98-5 |
| 8269 | Edoxaban Impurity 50                                                                                                                                                    | VS-E006062 | 2081883-52-3 |
| 8270 | Edoxaban Impurity 51                                                                                                                                                    | VS-E006063 | 2081883-53-4 |
| 8271 | Edoxaban Impurity 52                                                                                                                                                    | VS-E006064 | 2081883-57-8 |
| 8272 | Edoxaban Impurity 53                                                                                                                                                    | VS-E006065 | 2081883-55-6 |
| 8273 | Edoxaban Impurity 54                                                                                                                                                    | VS-E006066 | 480452-37-7  |
| 8274 | Edoxaban Impurity 55                                                                                                                                                    | VS-E006067 | 740794-83-6  |
| 8275 | Edoxaban Impurity 56                                                                                                                                                    | VS-E006068 | N/A          |
| 8276 | Edoxaban Impurity 57                                                                                                                                                    | VS-E006069 | 5350-93-6    |
| 8277 | Edoxaban Impurity 58                                                                                                                                                    | VS-E006070 | N/A          |
| 8278 | Edoxaban Impurity 59                                                                                                                                                    | VS-E006071 | N/A          |
| 8279 | Edoxaban Impurity 60                                                                                                                                                    | VS-E006072 | N/A          |
| 8280 | Edoxaban Impurity 61                                                                                                                                                    | VS-E006073 | 88-20-0      |
| 8281 | Edoxaban Impurity 62                                                                                                                                                    | VS-E006074 | 617-97-0     |
| 8282 | Edoxaban Impurity 63                                                                                                                                                    | VS-E006075 | N/A          |
| 8283 | Edoxaban-14-DIMER                                                                                                                                                       | VS-E006076 | N/A          |
| 8284 | Edoxaban D-BOC Impurity                                                                                                                                                 | VS-E006077 | N/A          |
| 8285 | Edoxaban Impurity 100                                                                                                                                                   | VS-E006078 | 552850-73-4  |
| 8286 | Edoxaban N-Oxide Impurity 2                                                                                                                                             | VS-E006079 | 2803372-49-6 |
| 8287 | 2-(((1R,2S,5S)-2-(2-((5-chloropyridin-2-yl)amino)-2-oxoacetamido)-5-(dimethylcarbamoyl)cyclohexyl)carbamoyl)-5-methyl-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridine 1-oxide | VS-E006080 | NA           |
| 8288 | Edoxaban Impurity 54 (HCl)                                                                                                                                              | VS-E006081 | 482375-18-8  |
| 8289 | N-Nitroso Edoxaban Impurity 5                                                                                                                                           | VS-E006082 | NA           |
| 8290 | Edoxaban impurity B                                                                                                                                                     | VS-E006083 | NA           |
| 8291 | Edoxaban Impurity 64                                                                                                                                                    | VS-E006084 | 41374-72-5   |
| 8292 | N-Nitroso Edoxaban Desmethyl Impurity                                                                                                                                   | VS-E006085 | NA           |
| 8293 | Efavirenz                                                                                                                                                               | VS-E007000 | 154598-52-4  |
| 8294 | Efavirenz Enantiomer                                                                                                                                                    | VS-E007001 | 154801-74-8  |
| 8295 | Efavirenz USP RC A                                                                                                                                                      | VS-E007002 | 209414-27-7  |
| 8296 | Efavirenz USP RC B                                                                                                                                                      | VS-E007003 | 440124-96-9  |
| 8297 | Efavirenz USP RC C                                                                                                                                                      | VS-E007004 | 391860-73-4  |

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| 8298 | Pent-3-ene-1-yne (cis)                       | VS-E007005 | 2125704-30-3 |
| 8299 | Efavirenz pent-3-ene-1-yne (trans)           | VS-E007006 | N/A          |
| 8300 | Efavirenz penteneyne                         | VS-E007007 | N/A          |
| 8301 | Efavirenz pentyne analog                     | VS-E007008 | 205755-86-8  |
| 8302 | Methylefavirenz                              | VS-E007009 | 353270-76-5  |
| 8303 | Efavirenz Amino Alcohol Methyl Carbamate     | VS-E007010 | 211563-40-5  |
| 8304 | N-Benzylefavirenz                            | VS-E007011 | 174819-21-7  |
| 8305 | Benzoylaminoalcohol Imp                      | VS-E007012 | 353270-77-6  |
| 8306 | Aminoalcohol ethyl carbamate                 | VS-E007013 | 211563-41-6  |
| 8307 | Aminoalcohol bis(ethoxycarbonyl)             | VS-E007014 | N/A          |
| 8308 | Cyclobutenylindole analog                    | VS-E007015 | 2177283-35-9 |
| 8309 | Efavirenz Benzoylaminoalcohol Impurity       | VS-E007016 | 1189491-03-9 |
| 8310 | Lamivudine Impurity J                        | VS-E007017 | 131086-26-5  |
| 8311 | Efavirenz Dimer                              | VS-E007018 | N/A          |
| 8312 | Racemic Efavirenz                            | VS-E007019 | 177530-93-7  |
| 8313 | Effavirenz Impurity 1                        | VS-E007020 | N/A          |
| 8314 | Effavirenz Impurity 2                        | VS-E007021 | 154598-53-5  |
| 8315 | Effavirenz Impurity 3                        | VS-E007022 | 209414-26-6  |
| 8316 | Effavirenz Impurity 4                        | VS-E007023 | 173676-60-3  |
| 8317 | Effavirenz Impurity 5                        | VS-E007024 | 221177-56-6  |
| 8318 | Bis(ethoxycarbonyl) Efavirenz Amino Alcohol  | VS-E007025 | 2733280-20-9 |
| 8319 | Effavirenz Impurity 6                        | VS-E007026 | 173676-54-5  |
| 8320 | Efinaconazole                                | VS-E008000 | 164650-44-6  |
| 8321 | Enantiomer of Efinaconazole                  | VS-E008001 | 164650-45-7  |
| 8322 | Efinaconazole (2S,3R) Epoxide                | VS-E008002 | 132563-77-0  |
| 8323 | Efinaconazole (2S,3S)-Diol-MSA Salt          | VS-E008003 | N/A          |
| 8324 | methylene Methanone- Impurity                | VS-E008004 | 188904-84-9  |
| 8325 | 4-Methylenepiperidine Hydrochloride          | VS-E008005 | 144230-50-2  |
| 8326 | (1-Benzoylpiperidin-4-yl)methanol            | VS-E008006 | 19980-00-8   |
| 8327 | Efinaconazole Diol Impurity                  | VS-E008007 | 133775-25-4  |
| 8328 | Efinaconazole Methylene Impurity             | VS-E008008 | 148133-82-8  |
| 8329 | (2S,3R)-Efinaconazole                        | VS-E008009 | 2055038-61-2 |
| 8330 | (2R,3S)-Efinaconazole                        | VS-E008010 | 2055038-60-1 |
| 8331 | Efinaconazole 2R,3S epoxide                  | VS-E008011 | 127000-90-2  |
| 8332 | Efinaconazole Impurity A1                    | VS-E008012 | 126918-17-0  |
| 8333 | Efinaconazole Impurity A4                    | VS-E008013 | 2122222-14-2 |
| 8334 | Efinaconazole Impurity A6                    | VS-E008014 | N/A          |
| 8335 | Efinaconazole Impurity A7                    | VS-E008015 | 135270-05-2  |
| 8336 | 3-Methylene Piperidine Hydrochloride         | VS-E008016 | 155137-12-5  |
| 8337 | N-BOC-4-Methylene Piperidine                 | VS-E008017 | 159635-49-1  |
| 8338 | Efinaconazole 4-Desfluoro Impurity           | VS-E008018 | N/A          |
| 8339 | Efinaconazole KSM - Protected Epoxy Impurity | VS-E008019 | 135267-12-8  |
| 8340 | Efinaconazole Impurity 1                     | VS-E008020 | 135272-36-5  |
| 8341 | Efinaconazole Impurity 2                     | VS-E008021 | 135270-10-9  |
| 8342 | Efinaconazole Impurity 3                     | VS-E008022 | 135270-13-2  |
| 8343 | Efinaconazole Impurity 4                     | VS-E008023 | 135270-11-0  |
| 8344 | Efinaconazole Impurity 5                     | VS-E008024 | 2122222-10-8 |

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| 8345 | Efinaconazole Impurity 6                                   | VS-E008025 | 2122222-15-3 |
| 8346 | Efinaconazole Impurity 7                                   | VS-E008026 | N/A          |
| 8347 | Efinaconazole Impurity 8                                   | VS-E008027 | 2122222-15-3 |
| 8348 | Efinaconazole Impurity 9                                   | VS-E008028 | N/A          |
| 8349 | Efinaconazole Impurity 10                                  | VS-E008029 | N/A          |
| 8350 | Efinaconazole Impurity 11                                  | VS-E008030 | N/A          |
| 8351 | Efinaconazole Impurity 12                                  | VS-E008031 | N/A          |
| 8352 | Efinaconazole Impurity 13                                  | VS-E008032 | 241479-72-1  |
| 8353 | Efinaconazole Impurity 14                                  | VS-E008033 | 126918-16-9  |
| 8354 | Efinaconazole Impurity 15                                  | VS-E008034 | 2252350-11-9 |
| 8355 | Efinaconazole Impurity 16                                  | VS-E008035 | N/A          |
| 8356 | Efinaconazole Impurity 17                                  | VS-E008036 | 2055038-64-5 |
| 8357 | Efinaconazole Impurity 18                                  | VS-E008037 | 150803-08-0  |
| 8358 | Efinaconazole Impurity 19                                  | VS-E008038 | N/A          |
| 8359 | Efinaconazole Impurity 20                                  | VS-E008039 | 135133-23-2  |
| 8360 | Efinaconazole Impurity 21                                  | VS-E008040 | N/A          |
| 8361 | Efinaconazole (2S)-Propiophenone                           | VS-E008041 | 127001-03-0  |
| 8362 | Efinaconazole Impurity 23                                  | VS-E008042 | 2055912-03-1 |
| 8363 | Efinaconazole S-Diol methane sulfonate (mesylate) Impurity | VS-E008043 | 1175536-50-1 |
| 8364 | Efinaconazole Diol Mesyl Impurity                          | VS-E008044 | 133775-26-5  |
| 8365 | Efinaconazole N-Oxide                                      | VS-E008045 | 2055038-63-4 |
| 8366 | Efinaconazole Impurity 24                                  | VS-E008046 | 41979-39-9   |
| 8367 | Elagolix                                                   | VS-E009000 | 834153-87-6  |
| 8368 | Elagolix Hydroxy Impurity                                  | VS-E009001 | 832720-51-1  |
| 8369 | Elagolix Dialkylated Impurity                              | VS-E009002 | 2409132-60-9 |
| 8370 | Elagolix N-oxide impurity                                  | VS-E009003 | 2486454-63-9 |
| 8371 | Elagolix Lactam Impurity                                   | VS-E009004 | 2248628-93-3 |
| 8372 | Elagolix Enantiomer                                        | VS-E009005 | N/A          |
| 8373 | Elagolix Des-fluoromethoxy benzene                         | VS-E009006 | N/A          |
| 8374 | Elagolix 3-Methoxy Desfluoro Impurity                      | VS-E009007 | N/A          |
| 8375 | Hydroxyl amine Elagolix Impurity                           | VS-E009008 | 2409132-62-1 |
| 8376 | Elagolix 2-trifluoromethyl Desfluoro Impurity              | VS-E009009 | N/A          |
| 8377 | Elagolix Formamide                                         | VS-E009010 | 2409132-63-2 |
| 8378 | Elagolix Keto Impurity                                     | VS-E009011 | 2409132-61-0 |
| 8379 | Elagolix Didesfluoro Impurity                              | VS-E009012 | N/A          |
| 8380 | Elagolix Diester Impurity                                  | VS-E009013 | 2316733-81-8 |
| 8381 | Elagolix Bromo Impurity                                    | VS-E009014 | 830346-48-0  |
| 8382 | Elagolix Bromo Condensed Impurity                          | VS-E009015 | N/A          |
| 8383 | Elagolix Propanoic Acid Analog                             | VS-E009016 | 834153-88-7  |
| 8384 | Elagolix Impurity 1                                        | VS-E009017 | N/A          |
| 8385 | Elagolix Impurity 2                                        | VS-E009018 | 2073864-81-8 |
| 8386 | Elagolix Impurity 3                                        | VS-E009019 | N/A          |
| 8387 | Elagolix Impurity A                                        | VS-E009020 | 830346-50-4  |
| 8388 | Elagolix Impurity B                                        | VS-E009021 | 1092070-97-7 |
| 8389 | Elagolix Impurity C                                        | VS-E009022 | N/A          |
| 8390 | Elagolix Impurity D                                        | VS-E009023 | 1062642-62-9 |
| 8391 | Elagolix Impurity 4                                        | VS-E009024 | N/A          |

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| 8392 | Elagolix Impurity 5                    | VS-E009025  | 1150560-59-0  |
| 8393 | Elagolix Impurity 6                    | VS-E009026  | 2486454-65-1  |
| 8394 | Elagolix Impurity 7                    | VS-E009027  | 2486454-64-0  |
| 8395 | Elagolix Impurity 8                    | VS-E009028  | N/A           |
| 8396 | Elagolix S-Isomer                      | VS-E009029  | 2409132-65-4  |
| 8397 | Elagolix Sodium                        | VS-E009030  | 832720-36-2   |
| 8398 | Elagolix Nitroso Impurity              | VS-E009031  | NA            |
| 8399 | ELAGOLIX IMPURITY A (HCl)              | VS-E009032  | NA            |
| 8400 | Elagolix Impurity 9                    | VS-E009033  | 832720-84-0   |
| 8401 | Elagolix Impurity 10                   | VS-E009034  | NA            |
| 8402 | Elagolix Ethyl Ester Nitroso Impurity  | VS-E009035  | NA            |
| 8403 | Elagolix Methyl Ester Nitroso Impurity | VS-E009036  | NA            |
| 8404 | Elagolix Impurity F                    | VS-E009037  | 1150560-54-5  |
| 8405 | BOC-D-Phenylglycinol                   | VS-E009038  | 102089-74-7   |
| 8406 | D-Phenylglycinol                       | VS-E009039  | 56613-80-0    |
| 8407 | 2-Fluoro-3-methoxyphenylboronic acid   | VS-E009040  | 352303-67-4   |
| 8408 | Elagolix Impurity 11                   | VS-E009041  | 110143-62-9   |
| 8409 | Ethacrynate sodium                     | VS-E0100000 | 6500-81-8     |
| 8410 | Ethacrynate sodium Impurity 1          | VS-E0100001 | NA            |
| 8411 | Ethacrynate sodium Impurity 2          | VS-E0100002 | NA            |
| 8412 | Ethacrynate sodium Impurity 3          | VS-E0100003 | NA            |
| 8413 | Ethacrynate sodium Impurity 4          | VS-E0100004 | NA            |
| 8414 | Ethacrynate sodium Impurity 5          | VS-E0100005 | NA            |
| 8415 | Ethacrynate sodium Impurity 6          | VS-E0100006 | NA            |
| 8416 | Ethacrynate sodium Impurity 7          | VS-E0100007 | NA            |
| 8417 | Ethacrynate sodium Impurity 8          | VS-E0100008 | NA            |
| 8418 | Eletriptan HBr                         | VS-E010001  | 177834-92-3   |
| 8419 | Eletriptan N-Oxide                     | VS-E010002  | 1217641-89-8  |
| 8420 | N-Desmethyl eletriptan hydrochloride   | VS-E010003  | 1391054-78-6  |
| 8421 | ent-Eletriptan                         | VS-E010004  | 1252673-29-2  |
| 8422 | N-Acetyl-dehydro-Eletriptan            | VS-E010005  | 188113-71-5   |
| 8423 | Eletriptan HBr Dimer-M Impurity        | VS-E010006  | N/A           |
| 8424 | Dehydro Eletriptan                     | VS-E010007  | 188113-72-6   |
| 8425 | Eletriptan Impurity 1                  | VS-E010008  | 2125726-42-1  |
| 8426 | Eletriptan Impurity 2                  | VS-E010009  | 1181222-90-1  |
| 8427 | Eletriptan Impurity 3                  | VS-E010010  | 438226-83-6   |
| 8428 | Eletriptan Impurity 4                  | VS-E010011  | 1422285-51-5  |
| 8429 | Eletriptan Impurity 5                  | VS-E010012  | 3405-93-4     |
| 8430 | Eletriptan Impurity 6                  | VS-E010013  | 10-02-23 0:00 |
| 8431 | Eletriptan Impurity 7                  | VS-E010014  | 10230-79-2    |
| 8432 | Eletriptan Impurity 8                  | VS-E010015  | 143322-55-8   |
| 8433 | Eletriptan Impurity 9                  | VS-E010016  | 143322-57-0   |
| 8434 | Eletriptan Impurity 10                 | VS-E010017  | 1225327-16-1  |
| 8435 | Eletriptan Impurity 11                 | VS-E010018  | N/A           |
| 8436 | Eletriptan Impurity 12                 | VS-E010019  | 209682-64-4   |
| 8437 | Eletriptan Impurity 13                 | VS-E010020  | 180637-89-2   |
| 8438 | N-Desmethyl Eletriptan                 | VS-E010021  | 153525-55-4   |

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|------|----------------------------------------------|-------------|--------------|
| 8439 | Eletriptan                                   | VS-E010022  | 143322-58-1  |
| 8440 | Ethylhexyl Triazone                          | VS-E0101000 | 88122-99-0   |
| 8441 | Ethylhexyl Triazone USP Related Compound A   | VS-E0101001 | 26218-04-2   |
| 8442 | Ethylhexyl Triazone USP Related Compound B   | VS-E0101002 | 1469870-11-8 |
| 8443 | Ethylhexyl Triazone USP Related Compound C   | VS-E0101003 | NA           |
| 8444 | Ethacizine                                   | VS-E0102000 | 33414-33-4   |
| 8445 | Eliglustat Impurity A                        | VS-E011001  | 491833-28-4  |
| 8446 | Eliglustat Impurity B                        | VS-E011002  | 928659-70-5  |
| 8447 | Eliglustat Enantiomer                        | VS-E011003  | N/A          |
| 8448 | Eliglustat RS-Isomer                         | VS-E011004  | N/A          |
| 8449 | Eliglustat SR-Isomer                         | VS-E011005  | N/A          |
| 8450 | Eliglustat Phenyl amino alcohol impurity     | VS-E011006  | 491833-27-3  |
| 8451 | Eliglustat amide amino alcohol               | VS-E011007  | 686710-19-0  |
| 8452 | Eliglustat acetamide amino alcohol           | VS-E011008  | 491833-26-2  |
| 8453 | 2-Phenyl Ethanol Impurity                    | VS-E011009  | 60-12-8      |
| 8454 | Eliglustat N-Acetyl Impurity                 | VS-E011010  | 2219353-50-9 |
| 8455 | Eliglustat Caprylic Acid N-sccinimidyl Ester | VS-E011011  | 14464-30-3   |
| 8456 | Eliglustat Octanoic Acid                     | VS-E011012  | 124-07-2     |
| 8457 | Eliglustat Keto Ene Impurity                 | VS-E011013  | N/A          |
| 8458 | Eliglustat Phenyl Amino Alcohol              | VS-E011014  | N/A          |
| 8459 | Eliglustat Hexa analogue                     | VS-E011015  | 2193051-88-4 |
| 8460 | Diocetanol                                   | VS-E011016  | 36354-80-0   |
| 8461 | Eliglustat                                   | VS-E011017  | 491833-29-5  |
| 8462 | Elmustine                                    | VS-E012000  | 60784-46-5   |
| 8463 | Elmustine Impurity 1                         | VS-E012001  | 96806-34-7   |
| 8464 | Elmustine Impurity 2                         | VS-E012002  | 71479-93-1   |
| 8465 | Elmustine Impurity 3                         | VS-E012003  | 15438-70-7   |
| 8466 | Elmustine Impurity 4                         | VS-E012004  | 99518-18-0   |
| 8467 | Elmustine Impurity 5                         | VS-E012005  | 98033-27-3   |
| 8468 | Elmustine Impurity 6                         | VS-E012006  | 73513-74-3   |
| 8469 | Elobixibat                                   | VS-E013000  | 439087-18-0  |
| 8470 | Elobixibat Acid Impurity                     | VS-E013001  | 439086-76-7  |
| 8471 | Elobixibat Tetra Butyl Impurity              | VS-E013002  | 439088-54-7  |
| 8472 | Elobixibat Acid Bromo Analogue Impurity      | VS-E013003  | N/A          |
| 8473 | Elobixibat Phenol Impurity                   | VS-E013004  | 439088-16-1  |
| 8474 | Elobixibat Methyl Ester Impurity             | VS-E013005  | 439088-19-4  |
| 8475 | Elobixibat Tertiary-butyl Impurity           | VS-E013006  | N/A          |
| 8476 | Elobixibat Acid Sulphide Impurity            | VS-E013007  | N/A          |
| 8477 | Elobixibat Acid Sulphoxide Impurity          | VS-E013008  | N/A          |
| 8478 | Elobixibat S-Isomer                          | VS-E013009  | N/A          |
| 8479 | Elobixibat N Tertiary-butyl Impurity         | VS-E013010  | N/A          |
| 8480 | Elobixibat Acid Methyl Ester Impurity        | VS-E013011  | N/A          |
| 8481 | Elobixibat Ethyl Ester Impurity              | VS-E013012  | N/A          |
| 8482 | Eltrombopag                                  | VS-E014000  | 496775-61-2  |
| 8483 | Eltrombopag Acyl Glucuronide                 | VS-E014001  | N/A          |
| 8484 | Eltrombopag Related Compound                 | VS-E014002  | N/A          |
| 8485 | Eltrombopag Ethyl Ester                      | VS-E014004  | N/A          |

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|------|-----------------------------------------|------------|--------------|
| 8486 | Eltrombopag Methyl Ester                | VS-E014005 | 1246929-01-0 |
| 8487 | Eltrombopag Dimer Impurity              | VS-E014006 | N/A          |
| 8488 | Eltrombopag N-Oxide Impurity (E-Isomer) | VS-E014007 | N/A          |
| 8489 | Eltrombopag Lactose Olamine adduct      | VS-E014008 | N/A          |
| 8490 | Eltrombopag Lactose Adduct              | VS-E014009 | N/A          |
| 8491 | Eltrombopag Amino Impurity              | VS-E014010 | 376592-93-7  |
| 8492 | Eltrombopag Pyrazole Impurity           | VS-E014011 | 277299-70-4  |
| 8493 | Eltrombopag Methoxy Impurity            | VS-E014012 | 1437383-35-1 |
| 8494 | Eltrombopag Amide                       | VS-E014013 | 1246929-02-1 |
| 8495 | Eltrombopag N-Oxide Impurity (Z-Isomer) | VS-E014014 | N/A          |
| 8496 | Eltrombopag Impurity 1                  | VS-E014015 | N/A          |
| 8497 | Eltrombopag Impurity 2                  | VS-E014016 | 1201816-68-3 |
| 8498 | Eltrombopag Impurity 3                  | VS-E014017 | N/A          |
| 8499 | Eltrombopag Impurity 4                  | VS-E014018 | N/A          |
| 8500 | Eltrombopag Impurity 5                  | VS-E014019 | N/A          |
| 8501 | Eltrombopag Impurity 6                  | VS-E014020 | 376592-56-2  |
| 8502 | Eltrombopag Impurity 7                  | VS-E014021 | N/A          |
| 8503 | Eltrombopag Impurity 8                  | VS-E014022 | N/A          |
| 8504 | Eltrombopag Impurity 9                  | VS-E014023 | N/A          |
| 8505 | Eltrombopag Impurity 10                 | VS-E014024 | 14047-29-1   |
| 8506 | Eltrombopag Impurity 11                 | VS-E014025 | 149105-19-1  |
| 8507 | Eltrombopag Impurity 12                 | VS-E014026 | 7693-52-9    |
| 8508 | Eltrombopag Impurity 13                 | VS-E014027 | 5847-59-6    |
| 8509 | Eltrombopag Impurity 14                 | VS-E014028 | 541-50-4     |
| 8510 | Eltrombopag Impurity 15                 | VS-E014029 | N/A          |
| 8511 | Eltrombopag N-Oxide Impurity            | VS-E014030 | 2734533-17-4 |
| 8512 | Eltrombopag Impurity 16                 | VS-E014031 | 33696-00-3   |
| 8513 | Eltrombopag Impurity 17                 | VS-E014032 | 725241-64-5  |
| 8514 | Eltrombopag Impurity 18                 | VS-E014033 | 98775-19-0   |
| 8515 | Eltrombopag Impurity 19                 | VS-E014034 | N/A          |
| 8516 | Eltrombopag Impurity 20                 | VS-E014035 | 15969-09-2   |
| 8517 | Elvitegravir                            | VS-E015000 | 697761-98-1  |
| 8518 | Elvitegravir Impurity A                 | VS-E015001 | 1177256-05-1 |
| 8519 | Elvitegravir Impurity B                 | VS-E015002 | 697761-63-0  |
| 8520 | Elvitegravir Impurity C                 | VS-E015003 | 1534364-53-8 |
| 8521 | Elvitegravir Impurity D                 | VS-E015004 | 697761-90-3  |
| 8522 | Elvitegravir Impurity E                 | VS-E015005 | 697760-89-7  |
| 8523 | Elvitegravir Impurity G                 | VS-E015006 | N/A          |
| 8524 | Elvitegravir Impurity H                 | VS-E015007 | 870648-11-6  |
| 8525 | Elvitegravir Impurity I                 | VS-E015008 | N/A          |
| 8526 | Elvitegravir Impurity J                 | VS-E015009 | 2055025-82-4 |
| 8527 | Elvitegravir Impurity 1                 | VS-E015010 | 697761-52-7  |
| 8528 | Elvitegravir Impurity K                 | VS-E015011 | N/A          |
| 8529 | Elvitegravir Impurity L                 | VS-E015012 | N/A          |
| 8530 | Elvitegravir Impurity M                 | VS-E015013 | N/A          |
| 8531 | Elvitegravir Impurity N                 | VS-E015014 | N/A          |
| 8532 | Elvitegravir Impurity O                 | VS-E015015 | 1350172-03-0 |

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|------|-----------------------------------------------|------------|--------------|
| 8533 | Elvitegravir Impurity P                       | VS-E015016 | N/A          |
| 8534 | Elvitegravir Impurity Q                       | VS-E015017 | N/A          |
| 8535 | Elvitegravir Impurity 1                       | VS-E015018 | 1551444-36-0 |
| 8536 | Elvitegravir Impurity 2                       | VS-E015019 | 949465-81-0  |
| 8537 | Elvitegravir Impurity 3                       | VS-E015020 | 949465-91-2  |
| 8538 | Elvitegravir Impurity 4                       | VS-E015021 | N/A          |
| 8539 | Elvitegravir Impurity 5                       | VS-E015022 | N/A          |
| 8540 | Elvitegravir Impurity 6                       | VS-E015023 | 949465-83-2  |
| 8541 | Elvitegravir Impurity 7                       | VS-E015024 | 949465-85-4  |
| 8542 | Elvitegravir Impurity 8                       | VS-E015025 | N/A          |
| 8543 | Elvitegravir Impurity 9                       | VS-E015026 | 680610-70-2  |
| 8544 | Elvitegravir 2-Chloro-DME-II impurity         | VS-E015027 | N/A          |
| 8545 | Elvitegravir 3-Chloro-DME-II impurity         | VS-E015028 | N/A          |
| 8546 | Elvitegravir 4-Chloro-DME-II impurity         | VS-E015029 | N/A          |
| 8547 | Elvitegravir Impurity 10                      | VS-E015030 | 7533-40-6    |
| 8548 | Elvitegravir Impurity 11                      | VS-E015031 | N/A          |
| 8549 | Elvitegravir Impurity 12                      | VS-E015032 | N/A          |
| 8550 | Elvitegravir Impurity 13                      | VS-E015033 | 949465-79-6  |
| 8551 | Elvitegravir Impurity 14                      | VS-E015034 | NA           |
| 8552 | Elvitegravir Impurity 15                      | VS-E015035 | NA           |
| 8553 | Elvitegravir Impurity 16                      | VS-E015036 | NA           |
| 8554 | Elvitegravir Impurity 17                      | VS-E015037 | NA           |
| 8555 | Elvitegravir Impurity 18                      | VS-E015038 | NA           |
| 8556 | Elvitegravir Impurity 19                      | VS-E015039 | NA           |
| 8557 | Elvitegravir Impurity 20                      | VS-E015040 | NA           |
| 8558 | Elvitegravir Impurity 21                      | VS-E015041 | NA           |
| 8559 | Elvitegravir Impurity 22                      | VS-E015042 | NA           |
| 8560 | Elvitegravir Impurity 23                      | VS-E015043 | NA           |
| 8561 | Elvitegravir Impurity 24                      | VS-E015044 | NA           |
| 8562 | Elvitegravir Impurity 25                      | VS-E015045 | 1484038-03-0 |
| 8563 | Emetine Hydrochloride Hydrate                 | VS-E016001 | 7083-71-8    |
| 8564 | Empagliflozin                                 | VS-E017000 | 864070-44-0  |
| 8565 | Empagliflozin 3-Epimer                        | VS-E017001 | 864070-43-9  |
| 8566 | Empagliflozin S-Furanose                      | VS-E017002 | 1620758-32-8 |
| 8567 | Empagliflozin $\alpha$ -Anomer                | VS-E017003 | 1620758-33-9 |
| 8568 | Desglucosylempagliflozin 4,4'-Dimer           | VS-E017004 | N/A          |
| 8569 | Empagliflozin Diol impurity                   | VS-E017005 | N/A          |
| 8570 | Empagliflozin MonoAcetyl Impurity             | VS-E017006 | N/A          |
| 8571 | Empagliflozin Keto carboxylic acid            | VS-E017007 | 2452301-29-8 |
| 8572 | Tetracetyl Empagliflozin                      | VS-E017008 | 915095-99-7  |
| 8573 | Empagliflozin R-Furanose                      | VS-E017009 | 1620758-31-7 |
| 8574 | 1-Hydroxy Empagliflozin                       | VS-E017010 | 1279691-35-8 |
| 8575 | Empagliflozin Bromo Impurity                  | VS-E017011 | N/A          |
| 8576 | Empagliflozin Acetyl impurity                 | VS-E017012 | 1079083-63-8 |
| 8577 | Empagliflozin Methoxy impurity                | VS-E017013 | 872980-38-6  |
| 8578 | Empagliflozin Keto carboxylic acid Impurity 2 | VS-E017014 | N/A          |
| 8579 | 5-Bromo-2-chlorobenzoic Acid                  | VS-E017015 | 21739-92-4   |



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|------|---------------------------------------|------------|--------------|
| 8580 | 5-Bromo Hydroxy THF Impurity          | VS-E017016 | 1800196-43-3 |
| 8581 | 5-Bromo Keto THF Impurity             | VS-E017017 | 915095-84-0  |
| 8582 | Empagliflozin Hydroxy Impurity        | VS-E017018 | N/A          |
| 8583 | Empagliflozin R/S Furanose            | VS-E017019 | N/A          |
| 8584 | Empagliflozin Desbromo Impurity       | VS-E017020 | 2517968-35-1 |
| 8585 | Empagliflozin Enantiomer Impurity     | VS-E017021 | N/A          |
| 8586 | Empagliflozin Dimer Impurity          | VS-E017022 | N/A          |
| 8587 | Empagliflozin Open ring Impurity      | VS-E017023 | 1620758-34-0 |
| 8588 | Empagliflozin Silyl Impurity          | VS-E017024 | N/A          |
| 8589 | Empagliflozin Sulfonate Impurity      | VS-E017025 | 2514922-33-7 |
| 8590 | Empagliflozin phenolic Acid           | VS-E017026 | N/A          |
| 8591 | Empagliflozin Hydroperoxy Impurity    | VS-E017027 | N/A          |
| 8592 | Empagliflozin Hydroxy Impurity        | VS-E017028 | N/A          |
| 8593 | Empagliflozin Ortho Isomer            | VS-E017029 | 2452301-30-1 |
| 8594 | Empagliflozin R-Isomer                | VS-E017030 | N/A          |
| 8595 | (R)-(-)-3-Hydroxytetrahydrofuran      | VS-E017031 | 86087-24-3   |
| 8596 | (S)-(+)-3-Hydroxytetrahydrofuran      | VS-E017032 | 86087-23-2   |
| 8597 | Empagliflozin L- Glucono Diastereomer | VS-E017033 | N/A          |
| 8598 | Empagliflozin Impurity 1              | VS-E017034 | 915095-94-2  |
| 8599 | Empagliflozin Impurity 2              | VS-E017035 | 915095-87-3  |
| 8600 | Empagliflozin Impurity 3              | VS-E017036 | 1279691-36-9 |
| 8601 | Empagliflozin Impurity 5              | VS-E017037 | 1800196-46-6 |
| 8602 | Empagliflozin Impurity 6              | VS-E017038 | 1620758-21-5 |
| 8603 | Empagliflozin Impurity 7              | VS-E017039 | 333359-90-3  |
| 8604 | Empagliflozin Impurity 8              | VS-E017040 | 2125472-55-9 |
| 8605 | Empagliflozin Impurity 9              | VS-E017041 | 2452301-37-8 |
| 8606 | Empagliflozin Impurity 10             | VS-E017042 | 915095-96-4  |
| 8607 | Descholoro Empagliflozin              | VS-E017043 | 2452301-27-6 |
| 8608 | Empagliflozin Impurity 12             | VS-E017044 | N/A          |
| 8609 | Empagliflozin Impurity 13             | VS-E017045 | N/A          |
| 8610 | Empagliflozin Impurity 14             | VS-E017046 | 219823-47-9  |
| 8611 | Empagliflozin Impurity 15             | VS-E017047 | N/A          |
| 8612 | Empagliflozin Impurity 16             | VS-E017048 | N/A          |
| 8613 | Empagliflozin Impurity 17             | VS-E017049 | N/A          |
| 8614 | Empagliflozin Impurity 18             | VS-E017050 | 1806-23-1    |
| 8615 | Empagliflozin Impurity 19             | VS-E017051 | 46698-24-2   |
| 8616 | Empagliflozin Impurity 20             | VS-E017052 | 1360568-68-8 |
| 8617 | Empagliflozin Impurity 21             | VS-E017053 | 333361-49-2  |
| 8618 | Empagliflozin Impurity 22             | VS-E017054 | 915095-85-1  |
| 8619 | Empagliflozin Impurity 23             | VS-E017055 | 915095-90-8  |
| 8620 | Empagliflozin Impurity 24             | VS-E017056 | 1280718-70-8 |
| 8621 | Empagliflozin Impurity 25             | VS-E017057 | 1628918-33-1 |
| 8622 | Empagliflozin Impurity 26             | VS-E017058 | N/A          |
| 8623 | Empagliflozin Impurity 27             | VS-E017059 | 1358604-08-6 |
| 8624 | Empagliflozin Impurity 28             | VS-E017060 | 32384-65-9   |
| 8625 | Empagliflozin Impurity 29             | VS-E017061 | 2452301-28-7 |
| 8626 | Empagliflozin Impurity 30             | VS-E017062 | N/A          |

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|------|--------------------------------------------------------------|------------|--------------|
| 8627 | Empagliflozin Impurity 31                                    | VS-E017063 | 96-48-0      |
| 8628 | Empagliflozin Impurity 32                                    | VS-E017064 | 2137418-13-2 |
| 8629 | Empagliflozin Impurity 33                                    | VS-E017065 | 2452301-18-5 |
| 8630 | Empagliflozin Impurity 34                                    | VS-E017066 | N/A          |
| 8631 | 5-Bromo Empagliflozin Impurity                               | VS-E017067 | 915095-89-5  |
| 8632 | Empagliflozin Impurity 36                                    | VS-E017068 | N/A          |
| 8633 | Empagliflozin enantiomer impurity                            | VS-E017069 | N/A          |
| 8634 | Empagliflozin Impurity 35                                    | VS-E017070 | 70005-88-8   |
| 8635 | Racemic Empagliflozin                                        | VS-E017071 | N/A          |
| 8636 | Empagliflozin D4                                             | VS-E017072 | N/A          |
| 8637 | Empagliflozin Impurity 37                                    | VS-E017073 | 167979-56-8  |
| 8638 | Empagliflozin Impurity 38                                    | VS-E017074 | 1885104-73-3 |
| 8639 | Empagliflozin Impurity 39                                    | VS-E017075 | 864070-37-1  |
| 8640 | Empagliflozin Impurity 40                                    | VS-E017076 | 2452301-42-5 |
| 8641 | Emtricitabine                                                | VS-E018000 | 143491-57-0  |
| 8642 | Emtricitabine Hydrochloride                                  | VS-E018001 | 258832-61-0  |
| 8643 | Emtricitabine Hydrobromide                                   | VS-E018002 | 2088823-69-0 |
| 8644 | Emtricitabine Enantiomer                                     | VS-E018003 | 137530-41-7  |
| 8645 | Emtricitabine S-Sulfoxide                                    | VS-E018004 | 152128-77-3  |
| 8646 | 2-epi-Emtricitabine                                          | VS-E018005 | 145416-34-8  |
| 8647 | (2R,5S)-Emtricitabine Carboxylic Acid                        | VS-E018006 | 1238210-10-0 |
| 8648 | (2R,5R)-Emtricitabine Carboxylic Acid                        | VS-E018007 | N/A          |
| 8649 | (2S,5R)-Emtricitabine Carboxylic Acid                        | VS-E018008 | N/A          |
| 8650 | (2S,5S)-Emtricitabine Carboxylic Acid                        | VS-E018009 | N/A          |
| 8651 | Emtricitabine Ring-opening Impurity                          | VS-E018010 | N/A          |
| 8652 | Emtricitabine trans-Cyclic Impurity                          | VS-E018011 | N/A          |
| 8653 | Emtricitabine cis-Cyclic Impurity                            | VS-E018012 | N/A          |
| 8654 | Emtricitabine Dimer Impurity                                 | VS-E018013 | 1962114-97-1 |
| 8655 | Emtricitabine Disulfide                                      | VS-E018014 | 2331211-44-8 |
| 8656 | Emtricitabine Isopropyl Carbamate                            | VS-E018015 | N/A          |
| 8657 | Emtricitabine Tenofovir Disoproxil Dimer                     | VS-E018016 | N/A          |
| 8658 | Emtricitabine Tenofovir Monosoproxil Dimer                   | VS-E018017 | N/A          |
| 8659 | Emtricitabine Thioacetate                                    | VS-E018018 | N/A          |
| 8660 | 5-epi-Emtricitabine                                          | VS-E018019 | 145986-26-1  |
| 8661 | Emtricitabine Impurity (2,3'-dideoxy-5-fluoro-3-thiouridine) | VS-E018020 | 145281-92-1  |
| 8662 | Emtricitabine methyl ester                                   | VS-E018021 | N/A          |
| 8663 | Emtricitabine Menthyl Ester Impurity                         | VS-E018022 | 764659-72-5  |
| 8664 | Emtricitabine Imine Impurity                                 | VS-E018023 | N/A          |
| 8665 | Symmetric Methylene conjugated Emtricitabine Dimer           | VS-E018024 | N/A          |
| 8666 | Asymmetric Methylene Conjugated Emtricitabine Dimer          | VS-E018025 | N/A          |
| 8667 | Emtricitabine + Tenofovir alfenamide mixed Dimer             | VS-E018026 | N/A          |
| 8668 | Emtricitabine + Des-Phenol Tenofovir Alfenamide Mixed Dimer  | VS-E018027 | N/A          |
| 8669 | Emtricitabine + Tenofovir Mixed Dimer                        | VS-E018028 | N/A          |
| 8670 | N-Hydroxy methyl Emtricitabine                               | VS-E018029 | N/A          |
| 8671 | Emtricitabine Glycosamine                                    | VS-E018030 | N/A          |
| 8672 | Emtricitabine Amadori Rearrangement product                  | VS-E018031 | N/A          |
| 8673 | Emtricitabine Menthyl Ester                                  | VS-E018032 | 147126-75-8  |

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| 8674 | Emtricitabine Racemic Mixture        | VS-E018033 | 144371-00-6  |
| 8675 | Emtricitabine Related Impurity 2     | VS-E018034 | 145397-26-8  |
| 8676 | Emtricitabine Related Impurity 3     | VS-E018035 | 2518282-37-4 |
| 8677 | Emtricitabine Related Impurity 4     | VS-E018036 | N/A          |
| 8678 | Emtricitabine Related Impurity 5     | VS-E018037 | N/A          |
| 8679 | Emtricitabine Impurity 6             | VS-E018038 | 20752-34-5   |
| 8680 | Emtricitabine Impurity 7             | VS-E018039 | 23283-97-8   |
| 8681 | Emtricitabine Impurity 8             | VS-E018040 | 64282-88-8   |
| 8682 | Emtricitabine Impurity 9             | VS-E018041 | 20752-33-4   |
| 8683 | Emtricitabine Impurity 10            | VS-E018042 | 15356-60-2   |
| 8684 | Emtricitabine Impurity 11            | VS-E018043 | 20747-49-3   |
| 8685 | Emtricitabine Impurity 12            | VS-E018044 | 2216-52-6    |
| 8686 | Emtricitabine Impurity 13            | VS-E018045 | 1365246-84-9 |
| 8687 | Emtricitabine Impurity 14            | VS-E018046 | 145986-11-4  |
| 8688 | Emtricitabine Impurity 16            | VS-E018047 | 1160303-44-5 |
| 8689 | Emtricitabine R-sulfoxide            | VS-E018048 | 2101981-64-8 |
| 8690 | Emtricitabine Impurity 18            | VS-E018049 | 1962115-01-0 |
| 8691 | Emtricitabine Impurity 19            | VS-E018050 | 1962114-95-9 |
| 8692 | Emtricitabine Impurity 20            | VS-E018051 | N/A          |
| 8693 | Emtricitabine Impurity 21            | VS-E018052 | N/A          |
| 8694 | Emtricitabine Impurity 22            | VS-E018053 | N/A          |
| 8695 | Emtricitabine Impurity 23            | VS-E018054 | 147027-01-8  |
| 8696 | Emtricitabine Impurity 24            | VS-E018055 | 1773498-61-5 |
| 8697 | Emtricitabine Diastereomer Impurity  | VS-E018056 | 143491-54-7  |
| 8698 | Emtricitabine IP Impurity F          | VS-E018057 | 51-21-8      |
| 8699 | EMTRICITABINE TENOFOVIR FT1 IMP      | VS-E018058 | 1962114-95-9 |
| 8700 | EMTRICITABINE TENOFOVIR FT2 IMP      | VS-E018059 | 1962115-01-0 |
| 8701 | EMTRICITABINE TENOFOVIR FT3 IMP      | VS-E018060 | NA           |
| 8702 | EMTRICITABINE TENOFOVIR FT4 IMP      | VS-E018061 | 1962114-97-1 |
| 8703 | Emtricitabine-d2,15N                 | VS-E018062 | 2714436-53-8 |
| 8704 | Enalapril                            | VS-E019000 | 75847-73-3   |
| 8705 | Enalapril Maleate                    | VS-E019001 | 76095-16-4   |
| 8706 | Enalapril EP Impurity A              | VS-E019002 | 76420-74-1   |
| 8707 | Enalapril EP Impurity B              | VS-E019003 | 82717-96-2   |
| 8708 | Enalapril EP Impurity C              | VS-E019004 | 76420-72-9   |
| 8709 | Enalapril EP Impurity D              | VS-E019005 | 115729-52-7  |
| 8710 | Enalapril EP Impurity E              | VS-E019006 | 2292151-89-2 |
| 8711 | Enalapril EP Impurity F              | VS-E019007 | N/A          |
| 8712 | Enalapril EP Impurity G              | VS-E019008 | 460720-14-3  |
| 8713 | Enalapril EP Impurity H              | VS-E019009 | 2055735-10-7 |
| 8714 | Enalapril EP Impurity I              | VS-E019010 | 288-32-4     |
| 8715 | Enalapril Homophenylalanine Impurity | VS-E019011 | 1012-05-1    |
| 8716 | Enalapril Acyl Glucuronide           | VS-E019012 | N/A          |
| 8717 | Enalaprilat Acyl Glucuronide         | VS-E019013 | N/A          |
| 8718 | Enalapril N-Glucuronide              | VS-E019014 | N/A          |
| 8719 | Enalaprilat N-Glucuronide            | VS-E019015 | N/A          |
| 8720 | Enalapril Diketopiperazine Acid      | VS-E019016 | 219677-80-2  |

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| 8721 | Enalapril Impurity 1              | VS-E019017 | 105167-27-9  |
| 8722 | Enalapril Impurity 2              | VS-E019018 | 56-41-7      |
| 8723 | Enalapril Impurity 3              | VS-E019019 | 17450-56-5   |
| 8724 | L-Proline                         | VS-E019020 | 147-85-3     |
| 8725 | Enalapril Impurity 5              | VS-E019021 | 84793-24-8   |
| 8726 | Enalapril Impurity 6              | VS-E019022 | 32315-10-9   |
| 8727 | Enalapril Impurity 7              | VS-E019023 | N/A          |
| 8728 | Enalapril Impurity 8              | VS-E019024 | N/A          |
| 8729 | Enalapril Impurity 11             | VS-E019025 | 5070-13-3    |
| 8730 | N-Nitroso Enalapril               | VS-E019026 | NA           |
| 8731 | Enalapril-L-alanyl-L-proline      | VS-E019027 | 13485-59-1   |
| 8732 | Enalaprilat Dihydrate             | VS-E020000 | 84680-54-6   |
| 8733 | Enalaprilat EP Impurity A         | VS-E020001 | 112318-07-7  |
| 8734 | Enalaprilat EP Impurity B         | VS-E020002 | N/A          |
| 8735 | Enalaprilat EP Impurity C         | VS-E020003 | N/A          |
| 8736 | Enalaprilat EP Impurity D         | VS-E020004 | N/A          |
| 8737 | Enalaprilat EP Impurity E         | VS-E020005 | N/A          |
| 8738 | Enalaprilat EP Impurity F         | VS-E020006 | 90988-18-4   |
| 8739 | Enalaprilat EP Impurity G         | VS-E020007 | 284677-66-3  |
| 8740 | N-nitroso enalaprilat             | VS-E020008 | N/A          |
| 8741 | Enasidenib                        | VS-E021000 | 1446502-11-9 |
| 8742 | Enasidenib Nitroso Impurity 1     | VS-E021001 | NA           |
| 8743 | Enasidenib Nitroso Impurity 2     | VS-E021002 | NA           |
| 8744 | Enasidenib Nitroso Impurity 3     | VS-E021003 | NA           |
| 8745 | Encorafenib                       | VS-E022000 | 1269440-17-6 |
| 8746 | Encorafenib 13CD3                 | VS-E022001 | NA           |
| 8747 | Encorafenib Nitroso Impurity      | VS-E022002 | NA           |
| 8748 | Enrofloxacin                      | VS-E023000 | 93106-60-6   |
| 8749 | Enrofloxacin EP Impurity A        | VS-E023001 | 86393-33-1   |
| 8750 | Enrofloxacin EP Impurity B        | VS-E023002 | 93107-08-5   |
| 8751 | Enrofloxacin EP Impurity C        | VS-E023003 | 138892-82-7  |
| 8752 | Enrofloxacin EP Impurity E        | VS-E023004 | 1369495-59-9 |
| 8753 | Enrofloxacin EP Impurity F        | VS-E023005 | 131775-99-0  |
| 8754 | Enrofloxacin EP Impurity G        | VS-E023006 | 103222-12-4  |
| 8755 | Enrofloxacin N Oxide              | VS-E023007 | 185460-67-7  |
| 8756 | Enrofloxacin Impurity 1           | VS-E023008 | 93110-13-5   |
| 8757 | Enrofloxacin Butyl Ester Impurity | VS-E023009 | 107884-22-0  |
| 8758 | Enrofloxacin Impurity H           | VS-E023010 | N/A          |
| 8759 | Entacapone                        | VS-E024000 | 130929-57-6  |
| 8760 | Entacapone EP Impurity A          | VS-E024001 | 145195-63-7  |
| 8761 | Entacapone EP Impurity B          | VS-E024002 | 116314-52-4  |
| 8762 | Entacapone EP Impurity C          | VS-E024003 | 116313-85-0  |
| 8763 | Entacapone EP Impurity D          | VS-E024004 | 857629-79-9  |
| 8764 | Entacapone EP Impurity E          | VS-E024005 | 7659-29-2    |
| 8765 | Entacapone EP Impurity F          | VS-E024006 | 160391-70-8  |
| 8766 | Entacapone EP Impurity G          | VS-E024007 | 1364322-41-7 |
| 8767 | Entacapone EP Impurity H          | VS-E024008 | 1150310-15-8 |

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| 8768 | Entacapone EP Impurity I          | VS-E024009 | 1364322-42-8 |
| 8769 | Entacapone Benzoic Acid Impurity  | VS-E024010 | 84211-30-3   |
| 8770 | Entacapone Amide Impurity         | VS-E024011 | 158693-01-7  |
| 8771 | Entacapone Methoxy Impurity       | VS-E024012 | 857629-78-8  |
| 8772 | Desethylentacapone                | VS-E024013 | 150995-46-3  |
| 8773 | Entacapone Impurity 1             | VS-E024014 | N/A          |
| 8774 | Entacapone Impurity 2             | VS-E024015 | 2514697-83-5 |
| 8775 | Entacapone Impurity 3             | VS-E024016 | 2518048-68-3 |
| 8776 | Entacapone Impurity 4             | VS-E024017 | 1202160-40-4 |
| 8777 | Entacapone Impurity 5             | VS-E024018 | 26391-06-0   |
| 8778 | Entecavir Monohydrate             | VS-E025000 | 209216-23-9  |
| 8779 | Entecavir EP Impurity A           | VS-E025001 | N/A          |
| 8780 | Entecavir EP Impurity B           | VS-E025002 | N/A          |
| 8781 | Entecavir EP Impurity C           | VS-E025003 | N/A          |
| 8782 | Entecavir EP Impurity D           | VS-E025004 | N/A          |
| 8783 | Entecavir EP Impurity E           | VS-E025005 | N/A          |
| 8784 | Entecavir EP Impurity F           | VS-E025006 | N/A          |
| 8785 | Entecavir USP Impurity A          | VS-E025007 | 1984788-96-6 |
| 8786 | Entecavir USP Impurity B          | VS-E025008 | 142217-69-4  |
| 8787 | Entecavir USP Impurity C          | VS-E025009 | 1367369-77-4 |
| 8788 | Entecavir USP Impurity D          | VS-E025010 | 2204369-23-1 |
| 8789 | Entecavir USP Impurity F          | VS-E025011 | 2203740-23-0 |
| 8790 | Entecavir USP Impurity G          | VS-E025012 | 870614-82-7  |
| 8791 | Entecavir Impurity 1              | VS-E025013 | 1367369-76-3 |
| 8792 | Entecavir Impurity 2              | VS-E025014 | 188399-46-4  |
| 8793 | Entecavir Impurity 3              | VS-E025015 | 1391053-94-3 |
| 8794 | Entecavir Impurity 5              | VS-E025016 | 142217-81-0  |
| 8795 | Entecavir Impurity 6              | VS-E025017 | 2204369-23-1 |
| 8796 | Entecavir Impurity 7              | VS-E025018 | N/A          |
| 8797 | Entecavir Impurity 8              | VS-E025019 | 142217-78-5  |
| 8798 | Entecavir Impurity 9              | VS-E025020 | 142217-79-6  |
| 8799 | Entecavir Impurity 10             | VS-E025021 | 142217-80-9  |
| 8800 | Entecavir Impurity 11             | VS-E025022 | N/A          |
| 8801 | Entecavir Impurity 12             | VS-E025023 | 84868-56-4   |
| 8802 | Entecavir Impurity 13             | VS-E025024 | N/A          |
| 8803 | Entecavir Impurity 14             | VS-E025025 | 1354695-74-1 |
| 8804 | Entecavir Impurity 15             | VS-E025026 | 1354695-85-4 |
| 8805 | Entecavir Impurity 16             | VS-E025027 | 1661867-19-1 |
| 8806 | Entecavir Impurity 17             | VS-E025028 | 1345339-53-8 |
| 8807 | Entecavir Impurity 18             | VS-E025029 | 142217-77-4  |
| 8808 | Entecavir Impurity 19             | VS-E025030 | 1354695-84-3 |
| 8809 | Enzalutamide                      | VS-E026000 | 915087-33-1  |
| 8810 | Enzalutamide M1                   | VS-E026001 | 1242137-15-0 |
| 8811 | Enzalutamide N-Desmethyl Impurity | VS-E026002 | 1242137-16-1 |
| 8812 | Desfluro Enzalutamide             | VS-E026003 | 915087-16-0  |
| 8813 | Enzalutamide Impurity A           | VS-E026004 | 1895865-10-7 |
| 8814 | Enzalutamide Impurity B           | VS-E026005 | 1839619-50-9 |

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|------|------------------------------------------------------------------------------------|------------|--------------|
| 8815 | Enzalutamide Impurity C                                                            | VS-E026006 | 1798807-39-2 |
| 8816 | Enzalutamide Impurity D                                                            | VS-E026007 | 1289942-55-7 |
| 8817 | Enzalutamide Impurity E                                                            | VS-E026008 | N/A          |
| 8818 | Enzalutamide Impurity F                                                            | VS-E026009 | N/A          |
| 8819 | Enzalutamide Impurity I                                                            | VS-E026010 | 1242137-19-4 |
| 8820 | Enzalutamide Impurity J                                                            | VS-E026011 | 1895865-11-8 |
| 8821 | Enzalutamide Impurity O                                                            | VS-E026012 | N/A          |
| 8822 | Enzalutamide Impurity P                                                            | VS-E026013 | 1289942-66-0 |
| 8823 | Desmethyl Enzalutamide Acid Impurity                                               | VS-E026014 | N/A          |
| 8824 | Enzalutamide Impurity 1                                                            | VS-E026015 | 1443331-78-9 |
| 8825 | Enzalutamide Impurity 2                                                            | VS-E026016 | 143782-23-4  |
| 8826 | Enzalutamide Impurity 3                                                            | VS-E026017 | N/A          |
| 8827 | Oxo-Enzalutamide                                                                   | VS-E026018 | 1242137-18-3 |
| 8828 | Enzalutamide Impurity 5                                                            | VS-E026019 | 915087-25-1  |
| 8829 | Enzalutamide Impurity 6                                                            | VS-E026020 | 915087-32-0  |
| 8830 | Enzalutamide Impurity 7                                                            | VS-E026021 | 2030242-21-6 |
| 8831 | Enzalutamide Impurity 8                                                            | VS-E026022 | 1802242-43-8 |
| 8832 | Enzalutamide Impurity 10                                                           | VS-E026023 | N/A          |
| 8833 | Enzalutamide Impurity 11                                                           | VS-E026024 | N/A          |
| 8834 | Enzalutamide Impurity 12                                                           | VS-E026025 | 112704-79-7  |
| 8835 | Enzalutamide Impurity 13                                                           | VS-E026026 | 749927-69-3  |
| 8836 | Enzalutamide Impurity 14                                                           | VS-E026027 | 179232-29-2  |
| 8837 | Enzalutamide Impurity 15                                                           | VS-E026028 | 62-57-7      |
| 8838 | Enzalutamide Impurity 16                                                           | VS-E026029 | N/A          |
| 8839 | Enzalutamide Impurity 17                                                           | VS-E026030 | N/A          |
| 8840 | Enzalutamide Impurity 18                                                           | VS-E026031 | N/A          |
| 8841 | Enzalutamide Impurity 19                                                           | VS-E026032 | N/A          |
| 8842 | Enzalutamide Impurity 20                                                           | VS-E026033 | 1903367-21-4 |
| 8843 | Enzalutamide Impurity 21                                                           | VS-E026034 | N/A          |
| 8844 | Enzalutamide Impurity 22                                                           | VS-E026035 | 1487515-37-6 |
| 8845 | Enzalutamide Impurity 23                                                           | VS-E026036 | 1332524-01-2 |
| 8846 | Enzalutamide Impurity 24                                                           | VS-E026037 | 1332524-02-3 |
| 8847 | N-Nitroso Enzalutamide Impurity                                                    | VS-E026038 | N/A          |
| 8848 | Enzalutamide Impurity 25                                                           | VS-E026039 | 654-70-6     |
| 8849 | Epalrestat                                                                         | VS-E027000 | 82159-09-9   |
| 8850 | (E,Z)-Epalrestat Methyl Ester                                                      | VS-E027001 | N/A          |
| 8851 | (Z,Z)-Epalrestat Methyl Ester                                                      | VS-E027002 | N/A          |
| 8852 | (Z,Z)-5-(2-Methyl-3-phenyl-propenylidene)-4-oxo-2-thioxo-3-thiazolidineacetic Acid | VS-E027003 | 124782-63-4  |
| 8853 | Epalrestat Dimer                                                                   | VS-E027004 | N/A          |
| 8854 | Epalrestat (E, E)-Isomer                                                           | VS-E027005 | 82158-86-9   |
| 8855 | Eperisone Hydrochloride                                                            | VS-E028000 | 56839-43-1   |
| 8856 | Eperisone Impurity 1                                                               | VS-E028001 | 70639-76-8   |
| 8857 | Ephedrine Hydrochloride                                                            | VS-E029000 | 50-98-6      |
| 8858 | Ephedrine Hydrochloride EP Impurity A                                              | VS-E029001 | 1798-60-3    |
| 8859 | Ephedrine Hydrochloride EP Impurity B                                              | VS-E029002 | 90-82-4      |
| 8860 | N-Acetyl Ephedrine                                                                 | VS-E029003 | 2272-83-5    |

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| 8861 | Ephedrine Sulfate                      | VS-E029004 | 134-72-5     |
| 8862 | 1-Phenylacetyl carbinol                | VS-E029005 | 53439-91-1   |
| 8863 | (-)-Ephedrine                          | VS-E029006 | 299-42-3     |
| 8864 | Ephedrine Impurity 1                   | VS-E029007 | 90-63-1      |
| 8865 | Ephedrine Hydrochloride Impurity 1     | VS-E029008 | 24221-86-1   |
| 8866 | N-Nitroso Pseudoephedrine              | VS-E029009 | 1850-88-0    |
| 8867 | 2,3-Dimethyl-3-Heptanol                | VS-E029010 | 19549-71-4   |
| 8868 | Epinastine HCl                         | VS-E030000 | 108929-04-0  |
| 8869 | Epinastine EP Impurity A               | VS-E030001 | 706753-75-5  |
| 8870 | Epinastine EP Impurity B               | VS-E030002 | 1217052-16-8 |
| 8871 | Epinastine Related Compound A          | VS-E030003 | 41218-84-2   |
| 8872 | 7-Chloro Epinastine Hydrochloride      | VS-E030004 | 80012-45-9   |
| 8873 | 9-Oxo Epinastine Hydrochloride         | VS-E030005 | 141342-69-0  |
| 8874 | 9,13b-Dehydro Epinastine Hydrochloride | VS-E030006 | 141342-70-3  |
| 8875 | Epinastine Impurity 1                  | VS-E030007 | N/A          |
| 8876 | Epinastine Impurity 2                  | VS-E030008 | N/A          |
| 8877 | Epinastine Impurity 3                  | VS-E030009 | 339163-80-3  |
| 8878 | Epinastine Impurity 4                  | VS-E030010 | 21535-43-3   |
| 8879 | Epinastine Impurity 5                  | VS-E030011 | 74860-00-7   |
| 8880 | Epinastine Impurity 6                  | VS-E030012 | 143878-20-0  |
| 8881 | Epinephrine                            | VS-E031000 | 51-43-4      |
| 8882 | Methoxy Adrenaline Hydrochloride       | VS-E031001 | 74571-90-7   |
| 8883 | Epinephrine Impurity 5                 | VS-E031002 | 859066-02-7  |
| 8884 | Epinephrine Impurity D                 | VS-E031003 | 2378285-93-7 |
| 8885 | Vanillylmandelic acid                  | VS-E031004 | 55-10-7      |
| 8886 | Metanephrine                           | VS-E031005 | N/A          |
| 8887 | 3,4-dihydroxyphenyl ethylene glycol    | VS-E031006 | 28822-73-3   |
| 8888 | 3,4-dihydroxy-mandelic acid            | VS-E031007 | 775-01-9     |
| 8889 | Adrenaline-quinone                     | VS-E031008 | 62358-01-4   |
| 8890 | Leuco-adrenochrome                     | VS-E031009 | N/A          |
| 8891 | Adrenochrome                           | VS-E031010 | 54-06-8      |
| 8892 | Adrenolotin                            | VS-E031011 | 87708-46-1   |
| 8893 | Melanin                                | VS-E031012 | 2323070-48-8 |
| 8894 | Deoxy Epinephrine                      | VS-E031013 | 62-32-8      |
| 8895 | N-Benzyl Epinephrine                   | VS-E031014 | 1095714-91-2 |
| 8896 | Epinephrine Impurity 1                 | VS-E031015 | N/A          |
| 8897 | Epinephrine Impurity 2                 | VS-E031016 | N/A          |
| 8898 | Epinephrine Impurity 3                 | VS-E031017 | N/A          |
| 8899 | Epinephrine Impurity 4                 | VS-E031018 | N/A          |
| 8900 | Epinephrine Sulfate Impurity           | VS-E031019 | 1260664-57-0 |
| 8901 | Epinephrine Sulfonic Acid              | VS-E031020 | 26405-77-6   |
| 8902 | Epinephrine bitartrate                 | VS-E031021 | 51-42-3      |
| 8903 | (±)-Epinephrine Hydrochloride          | VS-E031022 | 329-63-5     |
| 8904 | rac Epinephrine-5-Sulfonate            | VS-E031023 | N/A          |
| 8905 | N-Nitroso Epinephrine                  | VS-E031024 | N/A          |
| 8906 | Deoxyepinephrine                       | VS-E031025 | 501-15-5     |
| 8907 | Epirubicin                             | VS-E032000 | 56420-45-2   |

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| 8908 | Epirubicin Hydrochloride                            | VS-E032001 | 56390-09-1   |
| 8909 | Epirubicin EP Impurity A                            | VS-E032002 | 24385-10-2   |
| 8910 | Epirubicin EP Impurity B                            | VS-E032003 | 21794-55-8   |
| 8911 | Epirubicin EP Impurity C                            | VS-E032004 | 25316-40-9   |
| 8912 | Epirubicin EP Impurity D                            | VS-E032005 | 23541-50-6   |
| 8913 | Epirubicin EP Impurity E                            | VS-E032006 | N/A          |
| 8914 | Epirubicin EP Impurity F                            | VS-E032007 | 57918-24-8   |
| 8915 | Epirubicin EP Impurity G                            | VS-E032008 | 1046827-43-3 |
| 8916 | Eplerenone                                          | VS-E033000 | 107724-20-9  |
| 8917 | Eplerenone EP Impurity A                            | VS-E033001 | 209253-67-8  |
| 8918 | Eplerenone EP Impurity B                            | VS-E033002 | 192704-82-8  |
| 8919 | Eplerenone EP Impurity C                            | VS-E033003 | 95716-70-4   |
| 8920 | Eplerenone EP Impurity D                            | VS-E033004 | 209253-82-7  |
| 8921 | Eplerenone EP Impurity E                            | VS-E033005 | 107724-20-9  |
| 8922 | Eplerenone EP Impurity F                            | VS-E033006 | 579484-30-3  |
| 8923 | Eplerenone EP Impurity G                            | VS-E033007 | 41020-65-9   |
| 8924 | 4,5-Epoxy Eplerenone                                | VS-E033008 | 209253-73-6  |
| 8925 | 6 $\beta$ -Hydroxy Eplerenone                       | VS-E033009 | 209253-80-5  |
| 8926 | 3-Lactone ester Eplerenone                          | VS-E033010 | N/A          |
| 8927 | Eplerenone Enacid Impurity                          | VS-E033011 | 95716-74-8   |
| 8928 | Eplerenone Impurity 1                               | VS-E033012 | N/A          |
| 8929 | Eprosartan                                          | VS-E034000 | 133040-01-4  |
| 8930 | Eprosartan Dimethyl Diester                         | VS-E034001 | 133040-06-9  |
| 8931 | Eprosartan Mesylate                                 | VS-E034002 | 144143-96-4  |
| 8932 | Eprosartan USP RC A                                 | VS-E034003 | 1169702-90-2 |
| 8933 | Eprosartan USP RC B                                 | VS-E034004 | 5928-51-8    |
| 8934 | Eprosartan USP RC C                                 | VS-E034005 | 4475-24-5    |
| 8935 | Eprosartan USP RC D                                 | VS-E034006 | 6232-88-8    |
| 8936 | Eprosartan USP RC E                                 | VS-E034007 | 3006-96-0    |
| 8937 | Eprosartan USP RC F                                 | VS-E034008 | 148674-39-9  |
| 8938 | Eprosartan Acyl Glucuronide                         | VS-E034009 | N/A          |
| 8939 | Dealkyl Eprosartan                                  | VS-E034010 | 148674-34-4  |
| 8940 | Eprosartan Impurity 1                               | VS-E034011 | 133486-13-2  |
| 8941 | Eprosartan Impurity 2                               | VS-E034012 | 1794883-53-6 |
| 8942 | Eprosartan Impurity 3                               | VS-E034013 | 149543-86-2  |
| 8943 | Eprosartan Impurity 4                               | VS-E034014 | 152146-59-3  |
| 8944 | Eprosartan Impurity 5                               | VS-E034015 | N/A          |
| 8945 | Eptifibatide                                        | VS-E035000 | 188627-80-7  |
| 8946 | Equilenin                                           | VS-E036000 | 517-09-9     |
| 8947 | Equilenin Sodium Sulfate                            | VS-E036001 | 16680-48-1   |
| 8948 | Equilenin Impurity 1                                | VS-E036002 | 1643577-75-6 |
| 8949 | Equilenin Impurity 2                                | VS-E036003 | NA           |
| 8950 | Equilenin Impurity 3                                | VS-E036004 | NA           |
| 8951 | Equilin                                             | VS-E037000 | 474-86-2     |
| 8952 | 17 $\beta$ -Dihydro Equilenin                       | VS-E037001 | 1423-97-8    |
| 8953 | 17 $\beta$ -Dihydro Equilenin 3-Sulfate Sodium Salt | VS-E037002 | 16680-50-5   |
| 8954 | Equilin 3-Sulfate Sodium Salt                       | VS-E037003 | 16680-47-0   |



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| 8955 | 17 $\alpha$ -Dihydro Equilin 3-Sulfate Sodium Salt   | VS-E037004 | 56050-05-6   |
| 8956 | 17 $\beta$ -Dihydro Equilin 3-Sulfate Sodium Salt    | VS-E037005 | 16680-49-2   |
| 8957 | 17 $\alpha$ -Dihydro Equilenin 3-Sulfate Sodium Salt | VS-E037006 | 56086-66-9   |
| 8958 | 17 $\alpha$ -Dihydro Equilenin                       | VS-E037007 | 6639-99-2    |
| 8959 | Eravacycline                                         | VS-E038000 | 1207283-85-9 |
| 8960 | Erdafitinib                                          | VS-E039000 | 1346242-81-6 |
| 8961 | Erdafitinib d6                                       | VS-E039001 | NA           |
| 8962 | Erdafitinib d7                                       | VS-E039002 | NA           |
| 8963 | Erdafitinib Nitroso Impurity                         | VS-E039003 | NA           |
| 8964 | Ergocalciferol                                       | VS-E040000 | 50-14-6      |
| 8965 | Ergocalciferol EP Impurity A                         | VS-E040001 | 51744-66-2   |
| 8966 | Ergocalciferol EP Impurity B                         | VS-E040002 | 57-87-4      |
| 8967 | Ergocalciferol EP Impurity C                         | VS-E040003 | 474-69-1     |
| 8968 | Ergocalciferol EP Impurity D                         | VS-E040004 | N/A          |
| 8969 | Ergocalciferol EP Impurity E                         | VS-E040005 | 115-61-7     |
| 8970 | Ergocalciferol EP Impurity F                         | VS-E040006 | N/A          |
| 8971 | Ergocalciferol EP Impurity G                         | VS-E040007 | 511-28-4     |
| 8972 | Eribulin Mesylate                                    | VS-E041001 | 253128-41-5  |
| 8973 | N-p-Tosyl-L-phenylalanine                            | VS-E041002 | 13505-32-3   |
| 8974 | Eribulin Dimer                                       | VS-E041003 | N/A          |
| 8975 | Eribulin Impurity 1                                  | VS-E041004 | N/A          |
| 8976 | Eribulin Impurity 2                                  | VS-E041005 | N/A          |
| 8977 | Eribulin Impurity 3                                  | VS-E041006 | 1534341-96-2 |
| 8978 | Eribulin Impurity 4                                  | VS-E041007 | 1534341-95-1 |
| 8979 | Eribulin Impurity 5                                  | VS-E041008 | N/A          |
| 8980 | Eribulin Impurity 6                                  | VS-E041009 | N/A          |
| 8981 | Eribulin Impurity 7                                  | VS-E041010 | N/A          |
| 8982 | Eribulin Impurity 8                                  | VS-E041011 | N/A          |
| 8983 | Eribulin Impurity 9                                  | VS-E041012 | N/A          |
| 8984 | Eribulin Impurity 10                                 | VS-E041013 | N/A          |
| 8985 | Eribulin Impurity 11                                 | VS-E041014 | N/A          |
| 8986 | Eriocitrin                                           | VS-E042000 | 13463-28-0   |
| 8987 | Erlotinib                                            | VS-E043000 | 183321-74-6  |
| 8988 | Erlotinib HCl                                        | VS-E043001 | 183319-69-9  |
| 8989 | Erlotinib 7-O-Desmethyl Metabolite                   | VS-E043002 | N/A          |
| 8990 | Erlotinib 6-O-Desmethyl Metabolite                   | VS-E043003 | N/A          |
| 8991 | Erlotinib Lactam Impurity                            | VS-E043004 | 179688-29-0  |
| 8992 | Erlotinib 4-Hydroxy Metabolite                       | VS-E043005 | N/A          |
| 8993 | Erlotinib Didesmethyl Metabolite                     | VS-E043006 | 183321-84-8  |
| 8994 | Erlotinib Chloro Impurity                            | VS-E043007 | 183322-18-1  |
| 8995 | Erlotinib 7-O-Chloroethyl Analog                     | VS-E043008 | 183320-19-6  |
| 8996 | Erlotinib Impurity (3-Ethynylailine)                 | VS-E043009 | 54060-30-9   |
| 8997 | Erlotinib metabolite M11                             | VS-E043010 | 1170354-84-3 |
| 8998 | N-Methoxyethyl Erlotinib HCl                         | VS-E043011 | N/A          |
| 8999 | Erlotinib Carboxylic Acid                            | VS-E043012 | 882420-21-5  |
| 9000 | Erlotinib Impurity F                                 | VS-E043013 | 1058132-82-3 |
| 9001 | O-Erlotinib Nitro compound                           | VS-E043014 | N/A          |

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| 9002 | M-Erlotinib Nitro compound        | VS-E043015 | N/A          |
| 9003 | Erlotinib Related compound A      | VS-E043016 | N/A          |
| 9004 | Erlotinib aldehyde                | VS-E043017 | 1278586-80-3 |
| 9005 | Erlotinib Lactose adduct          | VS-E043018 | N/A          |
| 9006 | M-Erlotinib Nitro Compound        | VS-E043019 | N/A          |
| 9007 | Desmethyl Erlotinib Hydrochloride | VS-E043020 | 183320-51-6  |
| 9008 | Erlotinib 6-O-Chloroethyl Analog  | VS-E043021 | 183320-04-9  |
| 9009 | Erlotinib Impurity-V              | VS-E043022 | 183320-15-2  |
| 9010 | Erlotinib Impurity 1              | VS-E043023 | 1710372-46-5 |
| 9011 | Erlotinib Impurity 2              | VS-E043024 | 183322-19-2  |
| 9012 | Erlotinib Impurity 3              | VS-E043025 | 2204518-92-1 |
| 9013 | Erlotinib impurity B              | VS-E043026 | 183321-83-7  |
| 9014 | Erlotinib Impurity 5              | VS-E043027 | N/A          |
| 9015 | Erlotinib Impurity 6              | VS-E043028 | 183321-82-6  |
| 9016 | Erlotinib Impurity 7              | VS-E043029 | 950596-58-4  |
| 9017 | Erlotinib Impurity 8              | VS-E043030 | 2055840-54-3 |
| 9018 | Erlotinib Impurity 9              | VS-E043031 | 328528-74-1  |
| 9019 | Erlotinib Impurity 10             | VS-E043032 | 183322-17-0  |
| 9020 | Erlotinib Impurity 11             | VS-E043033 | 179688-26-7  |
| 9021 | Erlotinib Impurity 12             | VS-E043034 | 1145671-52-8 |
| 9022 | Erlotinib Impurity 13             | VS-E043035 | 183322-20-5  |
| 9023 | Erlotinib Impurity 15             | VS-E043036 | 950596-59-5  |
| 9024 | Erlotinib Impurity 17             | VS-E043037 | 1241475-15-9 |
| 9025 | Erlotinib Impurity 18             | VS-E043038 | 236750-65-5  |
| 9026 | Erlotinib Impurity 19             | VS-E043039 | 236750-62-2  |
| 9027 | Erlotinib Impurity 20             | VS-E043040 | 2512209-22-0 |
| 9028 | Erlotinib Impurity 21             | VS-E043041 | N/A          |
| 9029 | Erlotinib Impurity 22             | VS-E043042 | 2055841-66-0 |
| 9030 | Erlotinib Impurity C              | VS-E043043 | 1312937-41-9 |
| 9031 | Erlotinib Impurity 24             | VS-E043044 | 1417161-98-8 |
| 9032 | Erlotinib Impurity 25             | VS-E043045 | 938185-06-9  |
| 9033 | Erlotinib Impurity 16             | VS-E043046 | 3943-89-3    |
| 9034 | Erlotinib Impurity 26             | VS-E043047 | 585-79-5     |
| 9035 | Erlotinib Impurity 27             | VS-E043048 | 115-19-5     |
| 9036 | Erlotinib Impurity 28             | VS-E043049 | 183322-16-9  |
| 9037 | Erlotinib Impurity 29             | VS-E043050 | 882172-54-5  |
| 9038 | Erlotinib Impurity 30             | VS-E043051 | N/A          |
| 9039 | Erlotinib Impurity 31             | VS-E043052 | 183320-24-3  |
| 9040 | Erlotinib Impurity 32             | VS-E043053 | 1809351-86-7 |
| 9041 | Erlotinib Impurity 33             | VS-E043054 | 1839513-98-2 |
| 9042 | Erlotinib Impurity 34             | VS-E043055 | 183365-34-6  |
| 9043 | Erlotinib Impurity 35             | VS-E043056 | N/A          |
| 9044 | Erlotinib Impurity 36             | VS-E043057 | N/A          |
| 9045 | Erlotinib Impurity 37             | VS-E043058 | N/A          |
| 9046 | Erlotinib Impurity 38             | VS-E043059 | N/A          |
| 9047 | Erlotinib Impurity 39             | VS-E043060 | N/A          |
| 9048 | Erlotinib Impurity 40             | VS-E043061 | N/A          |

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| 9049 | Erlotinib Impurity 41                     | VS-E043062 | N/A          |
| 9050 | Erlotinib Impurity 42                     | VS-E043063 | 207226-02-6  |
| 9051 | Erlotinib Impurity 43                     | VS-E043064 | NA           |
| 9052 | Erlotinib Impurity 44                     | VS-E043065 | NA           |
| 9053 | Erlotinib Impurity A                      | VS-E043066 | 183321-85-9  |
| 9054 | Ertapenem Sodium                          | VS-E044001 | 153773-82-1  |
| 9055 | Ertapenem Dimer Impurity                  | VS-E044002 | 402955-37-7  |
| 9056 | Ertapenem N-Carbonyl Dimer Impurity       | VS-E044003 | 1199797-43-7 |
| 9057 | Ertapenem Oxazinone Impurity              | VS-E044004 | 866186-68-7  |
| 9058 | Ertapenem Dimer I                         | VS-E044005 | 1199797-41-5 |
| 9059 | Ertapenem Dimer II                        | VS-E044006 | 402955-38-8  |
| 9060 | N-Niroso Ertapenem Impurity               | VS-E044007 | N/A          |
| 9061 | Ertapenemic Acid                          | VS-E044008 | 1150883-75-2 |
| 9062 | Ertapenem Tautomer Dimer I                | VS-E044009 | 402955-34-4  |
| 9063 | Ertapenem Pro MABA Impurity               | VS-E044010 | 724700-26-9  |
| 9064 | Ertapenem Ring opened Impurity            | VS-E044011 | NA           |
| 9065 | Ertapenem Dimer III                       | VS-E044012 | NA           |
| 9066 | Ertugliflozin                             | VS-E045000 | 1210344-57-2 |
| 9067 | Ertugliflozin C4 epimer Impurity          | VS-E045001 | 1210344-58-3 |
| 9068 | Ertugliflozin Anomer Impurity             | VS-E045002 | N/A          |
| 9069 | Ertugliflozin Desethyl Impurity           | VS-E045003 | 1298086-17-5 |
| 9070 | Ertugliflozin Hydroxy Impurity            | VS-E045004 | 1298086-28-8 |
| 9071 | Ertugliflozin Keto Impurity               | VS-E045005 | 1298086-37-9 |
| 9072 | Ertugliflozin Impurity 2                  | VS-E045006 | 1298086-24-4 |
| 9073 | Erucifoline                               | VS-E046000 | 40158-95-0   |
| 9074 | Erucifoline n-Oxide                       | VS-E046001 | 123864-94-8  |
| 9075 | Erythromycin                              | VS-E047000 | 114-07-8     |
| 9076 | Erythromycin EP Impurity A                | VS-E047001 | N/A          |
| 9077 | Erythromycin EP Impurity B                | VS-E047002 | 992-62-1     |
| 9078 | Erythromycin EP Impurity C                | VS-E047003 | 41451-91-6   |
| 9079 | Erythromycin EP Impurity D                | VS-E047004 | 23893-13-2   |
| 9080 | Erythromycin EP Impurity D Hydrochloride  | VS-E047005 | 91326-68-0   |
| 9081 | Erythromycin EP Impurity E                | VS-E047006 | 33396-29-1   |
| 9082 | Erythromycin EP Impurity F                | VS-E047007 | 105882-69-7  |
| 9083 | Erythromycin Ethylsuccinate EP Impurity G | VS-E047008 | N/A          |
| 9084 | Erythromycin EP Impurity H                | VS-E047009 | 992-65-4     |
| 9085 | Erythromycin EP Impurity I                | VS-E047010 | 546-57-6     |
| 9086 | Erythromycin EP Impurity J                | VS-E047011 | 111321-02-9  |
| 9087 | Erythromycin EP Impurity K                | VS-E047012 | 33442-56-7   |
| 9088 | Erythromycin EP Impurity L                | VS-E047013 | 127955-44-6  |
| 9089 | Erythromycin EP Impurity M                | VS-E047014 | 616234-56-1  |
| 9090 | Erythromycin EP Impurity N                | VS-E047015 | N/A          |
| 9091 | Erythromycin B                            | VS-E047016 | 527-75-3     |
| 9092 | Mono-Ethyl Succinate                      | VS-E047017 | 1070-34-4    |
| 9093 | Erythromycin A imino ether                | VS-E047018 | 99290-97-8   |
| 9094 | Erythromycin Ethyl Succinate              | VS-E047019 | 1264-62-6    |
| 9095 | Erythromycin Hydrochloride                | VS-E047020 | 14271-02-4   |

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| 9096 | Erythromycin Sulfate                             | VS-E047021 | 7184-72-7    |
| 9097 | Mono-Ethyl Succinate Sodium salt                 | VS-E047022 | 51099-98-0   |
| 9098 | Mono-Ethyl Succinate Potassium salt              | VS-E047023 | 24356-34-1   |
| 9099 | Erythromycin lactobioate A                       | VS-E047024 | 3847-29-8    |
| 9100 | Erythromycin lactobioate B                       | VS-E047025 | N/A          |
| 9101 | Erythromycin lactobioate C                       | VS-E047026 | N/A          |
| 9102 | Erythromycin Impurity 1                          | VS-E047027 | 119665-62-2  |
| 9103 | Erythromycin Impurity 2                          | VS-E047028 | 119665-77-9  |
| 9104 | Erythromycin Impurity 3                          | VS-E047029 | N/A          |
| 9105 | Erythromycin Impurity 4                          | VS-E047030 | 122293-08-7  |
| 9106 | N-Nitroso-N-Desmethyl Erythromycin               | VS-E047031 | N/A          |
| 9107 | N-Nitroso-Desmethyl Erythromycin Ethyl Succinate | VS-E047032 | N/A          |
| 9108 | Escitalopram                                     | VS-E048000 | 128196-01-0  |
| 9109 | Escitalopram EP Impurity A                       | VS-E048001 | 64372-56-1   |
| 9110 | Escitalopram EP Impurity B                       | VS-E048002 | 411221-53-9  |
| 9111 | Escitalopram EP Impurity C                       | VS-E048003 | 372941-54-3  |
| 9112 | Escitalopram EP Impurity D                       | VS-E048004 | 62498-67-3   |
| 9113 | Escitalopram EP Impurity E                       | VS-E048005 | 103146-25-4  |
| 9114 | Escitalopram EP Impurity F                       | VS-E048006 | 2102609-59-4 |
| 9115 | Escitalopram EP Impurity G                       | VS-E048007 | 1329745-98-3 |
| 9116 | Escitalopram EP Impurity H                       | VS-E048008 | 63284-72-0   |
| 9117 | Escitalopram EP Impurity I                       | VS-E048009 | 1370643-22-3 |
| 9118 | Escitalopram EP Impurity J                       | VS-E048010 | 104-15-4     |
| 9119 | Escitalopram EP Impurity K                       | VS-E048011 | 128196-02-1  |
| 9120 | Escitalopram EP Impurity L                       | VS-E048012 | 1026009-77-7 |
| 9121 | Escitalopram EP Impurity M                       | VS-E048013 | 440121-09-5  |
| 9122 | Escitalopram Butyryl Impurity                    | VS-E048014 | 1803244-58-7 |
| 9123 | Escitalopram Desfluoro Analogue                  | VS-E048015 | 1346617-30-8 |
| 9124 | Escitalopram Acid Impurity                       | VS-E048016 | 1133881-04-5 |
| 9125 | Escitalopram N-Desmethyl                         | VS-E048017 | 144025-14-9  |
| 9126 | 2,5,6-Trimethyldecane                            | VS-E048018 | 62108-23-0   |
| 9127 | 5-Ethyl-5-methyldecane                           | VS-E048019 | 17312-74-2   |
| 9128 | 4-methylundecane                                 | VS-E048020 | 2980-69-0    |
| 9129 | 5-methylundecane                                 | VS-E048021 | 1632-70-8    |
| 9130 | Escitalopram N-Oxide                             | VS-E048022 | 917482-45-2  |
| 9131 | Oxime Impurity of Escitalopram Oxalate           | VS-E048023 | 227954-88-3  |
| 9132 | Escitalopram Impurity SCTRCA                     | VS-E048024 | NA           |
| 9133 | Escitalopram Didesmethyl Impurity                | VS-E048025 | 62498-69-5   |
| 9134 | 3,3,4-Trimethyldecane                            | VS-E048026 | 49622-18-6   |
| 9135 | 2,6,11-Trimethyldecane                           | VS-E048027 | 31295-56-4   |
| 9136 | 2-Methyl-5-Propylnonane                          | VS-E048028 | 31081-17-1   |
| 9137 | 5-Carboxyphthalide Escitalopram Impurity         | VS-E048029 | 4792-29-4    |
| 9138 | 5-Carbamoylphthalide Escitalopram Impurity       | VS-E048030 | 85118-25-8   |
| 9139 | 2,2,6-Trimethyldecane                            | VS-E048031 | 62237-97-2   |
| 9140 | 2-Phenyl Decane                                  | VS-E048032 | 4537-13-7    |
| 9141 | Escitalopram Impurity 1                          | VS-E048033 | NA           |
| 9142 | Escitalopram Impurity 2                          | VS-E048034 | NA           |

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| 9143 | Escitalopram Impurity 3                        | VS-E048035 | NA           |
| 9144 | Escitalopram Impurity 4                        | VS-E048036 | N/A          |
| 9145 | Escitalopram Impurity 6                        | VS-E048037 | 556-71-8     |
| 9146 | Escitalopram Impurity 7                        | VS-E048038 | 64169-67-1   |
| 9147 | Escitalopram Impurity 8                        | VS-E048039 | 1433278-32-0 |
| 9148 | Escitalopram Impurity 9                        | VS-E048040 | 920282-75-3  |
| 9149 | Escitalopram Impurity 9                        | VS-E048041 | 128173-53-5  |
| 9150 | Escitalopram Impurity 10                       | VS-E048042 | 46476-31-7   |
| 9151 | Escitalopram Impurity 11                       | VS-E048043 | 260371-16-2  |
| 9152 | Escitalopram Impurity 12                       | VS-E048044 | 928652-45-3  |
| 9153 | Escitalopram Impurity 13                       | VS-E048045 | NA           |
| 9154 | N-Nitroso-Desmethyl-Escitalopram               | VS-E048046 | NA           |
| 9155 | Escitalopram Oxalate                           | VS-E048047 | 219861-08-2  |
| 9156 | Eslicarbazepine Acetate                        | VS-E049000 | 236395-14-5  |
| 9157 | Eslicarbazepine R-Isomer                       | VS-E049001 | 186694-45-1  |
| 9158 | Eslicarbazepine Acetate Chiral Peak Id Mixture | VS-E049002 | NA           |
| 9159 | Eslicarbazepine Propionate                     | VS-E049003 | 952740-36-2  |
| 9160 | Eslicarbazepine D4                             | VS-E049004 | NA           |
| 9161 | Eslicarbazepine D8 Acetate (racemate)          | VS-E049005 | NA           |
| 9162 | Licarbazepine-D8                               | VS-E049006 | 1261393-17-2 |
| 9163 | Esmolol                                        | VS-E050000 | 81147-92-4   |
| 9164 | Esmolol Acid                                   | VS-E050001 | 81148-15-4   |
| 9165 | Esmolol Isopropyl Amine                        | VS-E050002 | 83356-59-6   |
| 9166 | N-ethyl Esmolol                                | VS-E050003 | 2469273-97-8 |
| 9167 | Esmolol Dimer                                  | VS-E050004 | 98903-89-0   |
| 9168 | Esmolol Nitroso Impurity                       | VS-E050005 | NA           |
| 9169 | Esmolol Impurity 1                             | VS-E050006 | 2137091-22-4 |
| 9170 | Esmolol Impurity 2                             | VS-E050007 | 50666-68-7   |
| 9171 | Esmolol Impurity 3                             | VS-E050008 | 6452-58-0    |
| 9172 | Esmolol Impurity 4                             | VS-E050009 | 19115-57-2   |
| 9173 | Esmolol Impurity 5                             | VS-E050010 | NA           |
| 9174 | Esmolol Impurity 6                             | VS-E050011 | NA           |
| 9175 | Esomeprazole                                   | VS-E051000 | 119141-88-7  |
| 9176 | Esomeprazole EP Impurity A                     | VS-E051001 | 37052-78-1   |
| 9177 | Esomeprazole EP Impurity B                     | VS-E051002 | 110374-16-8  |
| 9178 | Esomeprazole EP Impurity C                     | VS-E051003 | 73590-85-9   |
| 9179 | Esomeprazole EP Impurity D                     | VS-E051004 | 88546-55-8   |
| 9180 | Esomeprazole EP Impurity E                     | VS-E051005 | 176219-04-8  |
| 9181 | Esomeprazole EP Impurity F                     | VS-E051006 | 125656-82-8  |
| 9182 | Esomeprazole Magnesium Trihydrate              | VS-E051007 | 217087-09-7  |
| 9183 | Esomeprazole Potassium                         | VS-E051008 | 161796-84-5  |
| 9184 | Esomeprazole Sodium                            | VS-E051009 | 161796-78-7  |
| 9185 | Esomeprazole magnesium dihydrate               | VS-E051010 | 217087-10-0  |
| 9186 | Esomeprazole Magnesium                         | VS-E051011 | 161973-10-0  |
| 9187 | Esomeprazole Hydrolysis impurity               | VS-E051012 | N/A          |
| 9188 | 4-Desmethoxy-4-nitro Esomeprazole              | VS-E051013 | 317807-10-6  |
| 9189 | Desmethoxy Keto Esomeprazole                   | VS-E051014 | 2362529-32-4 |

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| 9190 | 5-Hydroxy Esomeprazole                                                  | VS-E051015 | 358675-51-1  |
| 9191 | Esomeprazole Impurity 1                                                 | VS-E051016 | 2080-75-3    |
| 9192 | Esomeprazole Impurity 2                                                 | VS-E051017 | 2512216-37-2 |
| 9193 | Esomeprazole Impurity 3                                                 | VS-E051018 | N/A          |
| 9194 | Esomeprazole Impurity 4                                                 | VS-E051019 | 1831938-48-7 |
| 9195 | Esomeprazole Impurity 5                                                 | VS-E051020 | 727375-13-5  |
| 9196 | Esomeprazole Impurity 6                                                 | VS-E051021 | 1227380-90-6 |
| 9197 | Esomeprazole Impurity 7                                                 | VS-E051022 | 92806-98-9   |
| 9198 | N-Methyl Esomeprazole Isomer-2                                          | VS-E051023 | 1346240-11-6 |
| 9199 | 1-(5-methoxy-1H-benzo[d]imidazol-2-yl)-2,3,5-trimethylpyridin-4(1H)-one | VS-E051024 | NA           |
| 9200 | 4(1H)Pyridinone2,3,5tri methyl                                          | VS-E051025 | NA           |
| 9201 | Des-Methoxy Esomeprazole                                                | VS-E051026 | 704910-88-3  |
| 9202 | Esomeprazole Impurity 9                                                 | VS-E051027 | 202932-05-6  |
| 9203 | Esomeprazole Impurity 10                                                | VS-E051028 | 73590-93-9   |
| 9204 | Esomeprazole Impurity 11                                                | VS-E051029 | NA           |
| 9205 | Esomeprazole D3                                                         | VS-E051030 | NA           |
| 9206 | Esomeprazole-d3 Sodium Salt                                             | VS-E051031 | NA           |
| 9207 | Esomeprazole-D3 Potassium                                               | VS-E051032 | NA           |
| 9208 | N-Methyl Esomeprazole                                                   | VS-E051033 | NA           |
| 9209 | Estradiol                                                               | VS-E052000 | 50-28-2      |
| 9210 | 6-Keto Estradiol                                                        | VS-E052001 | 571-92-6     |
| 9211 | 6-Alpha Hydroxyestradiol                                                | VS-E052002 | 1229-24-9    |
| 9212 | 6,7-Dehydro Estradiol                                                   | VS-E052003 | 7291-41-0    |
| 9213 | Estrone Acetate                                                         | VS-E052004 | 901-93-9     |
| 9214 | Estradiol Acetate                                                       | VS-E052005 | 4245-41-4    |
| 9215 | $\beta$ -Estradiol 17-acetate                                           | VS-E052006 | 1743-60-8    |
| 9216 | $\beta$ -Estradiol 3,17-diacetate                                       | VS-E052007 | 3434-88-6    |
| 9217 | Estradiol Dienanthate                                                   | VS-E052008 | N/A          |
| 9218 | 1-hydroxy-4-methylestra-1,3,5(10)-trien-17-one                          | VS-E052009 | 4954-08-9.   |
| 9219 | 1-Methylestrone                                                         | VS-E052010 | 4011-48-7    |
| 9220 | 17 $\alpha$ -Estradiol Sulfate Sodium Salt                              | VS-E052011 | 56050-04-5   |
| 9221 | Sodium 17 $\beta$ -Estradiol 3-O-Sulfate                                | VS-E052012 | 4999-79-5    |
| 9222 | 6-Beta Hydroxyestradiol                                                 | VS-E052013 | 07-03-83     |
| 9223 | Promestriene                                                            | VS-E052014 | 39219-28-8   |
| 9224 | Delta-9,11-promestriene                                                 | VS-E052015 | N/A          |
| 9225 | 3-O-Methyl Estradiol Dimer                                              | VS-E052016 | N/A          |
| 9226 | Estradiol Dimer 1                                                       | VS-E052017 | N/A          |
| 9227 | Estradiol Dimer 2                                                       | VS-E052018 | N/A          |
| 9228 | Estradiol Dicypionate                                                   | VS-E052019 | 633-36-3     |
| 9229 | 4-Methylestradiol Cypionate                                             | VS-E052020 | N/A          |
| 9230 | $\Delta$ 8,9-Dehydro-17 $\beta$ -estradiol                              | VS-E052021 | 23392-54-3   |
| 9231 | Estradiol-9-ene Cypionate                                               | VS-E052022 | N/A          |
| 9232 | Estradiol Dimer Impurity                                                | VS-E052023 | N/A          |
| 9233 | Estradiol Dimer Impurity 1                                              | VS-E052024 | N/A          |
| 9234 | Estradiol Benzoate                                                      | VS-E053000 | 50-50-0      |
| 9235 | Estradiol Benzoate EP Impurity A                                        | VS-E053001 | 50-28-2      |

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| 9236 | Estradiol Benzoate EP Impurity B                      | VS-E053002 | N/A          |
| 9237 | Estradiol Benzoate EP Impurity C                      | VS-E053003 | 4147-13-1    |
| 9238 | Estradiol Benzoate EP Impurity D                      | VS-E053004 | 983-30-2     |
| 9239 | Estradiol Benzoate EP Impurity E                      | VS-E053005 | 6045-53-0    |
| 9240 | Estradiol Benzoate EP Impurity F                      | VS-E053006 | 95870-51-2   |
| 9241 | Estradiol Benzoate EP Impurity G                      | VS-E053007 | 2393-53-5    |
| 9242 | Estradiol Benzoate EP Impurity H                      | VS-E053008 | N/A          |
| 9243 | Estradiol Enanthate                                   | VS-E054000 | 4956-37-0    |
| 9244 | 4-Methyl Estradiol Enanthate                          | VS-E054001 | N/A          |
| 9245 | Delta-9 Estradiol 17-Enanthate                        | VS-E054002 | 95960-05-7   |
| 9246 | 3-Estradiol Enanthate                                 | VS-E054003 | 55540-97-1   |
| 9247 | Estradiol Acetate Enanthate                           | VS-E054004 | N/A          |
| 9248 | Estradiol Hemihydrate                                 | VS-E055000 | 35380-71-3   |
| 9249 | Estradiol Hemihydrate EP Impurity A                   | VS-E055001 | 19973-76-3   |
| 9250 | Estradiol Hemihydrate EP Impurity B                   | VS-E055002 | 57-91-0      |
| 9251 | Estradiol Hemihydrate EP Impurity C                   | VS-E055003 | 6171-48-8    |
| 9252 | Estradiol Hemihydrate EP Impurity D                   | VS-E055004 | 791-69-5     |
| 9253 | Estradiol 3-propyl ether                              | VS-E055005 | 22034-63-5   |
| 9254 | 3-O-Methyl Estradiol                                  | VS-E055006 | 1035-77-4    |
| 9255 | 17 $\beta$ -Estradiol Dimethyl Ether                  | VS-E055007 | 4954-14-7    |
| 9256 | Estradiol Hemihydrate Impurity 1                      | VS-E055008 | 1852-86-4    |
| 9257 | Estradiol Hemihydrate Impurity 2                      | VS-E055009 | 499985-15-8  |
| 9258 | Estradiol Valerate                                    | VS-E056000 | 979-32-8     |
| 9259 | Estradiol Valerate EP Impurity A                      | VS-E056001 | 50-28-2      |
| 9260 | Estradiol Valerate EP Impurity B                      | VS-E056002 | 21881-45-8   |
| 9261 | Estradiol Valerate EP Impurity C                      | VS-E056003 | 95959-20-9   |
| 9262 | Estradiol Valerate EP Impurity D                      | VS-E056004 | 1359847-37-2 |
| 9263 | Estradiol Valerate EP Impurity E                      | VS-E056005 | 63042-28-4   |
| 9264 | Estradiol Valerate EP Impurity F                      | VS-E056006 | 18069-79-9   |
| 9265 | Estradiol Valerate EP Impurity G                      | VS-E056007 | 1313382-25-0 |
| 9266 | Estradiol Valerate EP Impurity H                      | VS-E056008 | 1421283-56-8 |
| 9267 | Estradiol Valerate EP Impurity I                      | VS-E056009 | N/A          |
| 9268 | Estradiol Valerate EP Impurity J                      | VS-E056010 | N/A          |
| 9269 | 6 $\beta$ -Hydroxy-17 $\beta$ -estradiol 17-Valerate  | VS-E056011 | 1313382-32-9 |
| 9270 | 6 $\alpha$ -Hydroxy-17 $\beta$ -estradiol 17-Valerate | VS-E056012 | 1313382-26-1 |
| 9271 | 6-Keto Estradiol valerate Impurity                    | VS-E056013 | 1313382-51-2 |
| 9272 | Estradiol Impurity 1                                  | VS-E056014 | 41460-44-0   |
| 9273 | Estriol                                               | VS-E057000 | 50-27-1      |
| 9274 | Estriol EP Impurity A                                 | VS-E057001 | 246021-20-5  |
| 9275 | Estriol EP Impurity B                                 | VS-E057002 | 53-16-7      |
| 9276 | Estriol EP Impurity C                                 | VS-E057003 | 1474-53-9    |
| 9277 | Estriol EP Impurity D                                 | VS-E057004 | 50-28-2      |
| 9278 | Estriol EP Impurity E                                 | VS-E057005 | 1228-72-4    |
| 9279 | Estriol EP Impurity F                                 | VS-E057006 | 547-81-9     |
| 9280 | Estriol EP Impurity G                                 | VS-E057007 | 793-89-5     |
| 9281 | Estriol EP Impurity H                                 | VS-E057008 | 566-76-7     |
| 9282 | Estriol EP Impurity I                                 | VS-E057009 | 15370-49-7   |

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| 9283 | Etelcacetide                                       | VS-E058000 | 1262780-97-1 |
| 9284 | Ethacrynic Acid                                    | VS-E059000 | 58-54-8      |
| 9285 | Ethacrynic Acid impurity A                         | VS-E059001 | 1217-67-0    |
| 9286 | Ethacrynic Acid impurity B                         | VS-E059002 | 27929-18-6   |
| 9287 | Ethacrynic Acid impurity C                         | VS-E059003 | 25355-92-4   |
| 9288 | Ethacrynic Acid Impurity E                         | VS-E059004 | 55507-91-0   |
| 9289 | Ethacrynic Acid Impurity F                         | VS-E059005 | 1592-83-2    |
| 9290 | Ethacrynic Acid Impurity G                         | VS-E059006 | 55507-81-8   |
| 9291 | Ethacrynic Acid Impurity                           | VS-E059007 | 95772-54-6   |
| 9292 | Ethacrynic Acid Dimer                              | VS-E059008 | N/A          |
| 9293 | Ethacrynic Acid Epoxide                            | VS-E059009 | 27223-10-5   |
| 9294 | Ethacrynic Acid Impurity 1                         | VS-E059010 | N/A          |
| 9295 | Ethacrynic Acid Impurity 2                         | VS-E059011 | 71545-13-6   |
| 9296 | Ethambutol Hydrochloride                           | VS-E060001 | 1070-11-7    |
| 9297 | Ethambutol EP Impurity A                           | VS-E060002 | 96-20-8      |
| 9298 | Ethambutol EP Impurity B                           | VS-E060003 | 10054-06-5   |
| 9299 | Ethambutol EP Impurity C                           | VS-E060004 | 10054-05-4   |
| 9300 | Ethambutol EP Impurity D                           | VS-E060005 | 107-06-2     |
| 9301 | Dinitroso Ethambutol                               | VS-E060006 | 52322-22-2   |
| 9302 | Mononitroso Ethambutol                             | VS-E060007 | 78213-39-5   |
| 9303 | Ethinyl Estradiol                                  | VS-E061000 | 57-63-6      |
| 9304 | Ethinylestradiol EP Impurity A                     | VS-E061001 | 4717-38-8    |
| 9305 | Ethinylestradiol EP Impurity B                     | VS-E061002 | 1231-96-5    |
| 9306 | Ethinylestradiol EP Impurity C                     | VS-E061003 | 53-16-7      |
| 9307 | Ethinylestradiol EP Impurity D                     | VS-E061004 | 50-28-2      |
| 9308 | Ethinylestradiol EP Impurity E                     | VS-E061005 | 27521-34-2   |
| 9309 | Ethinylestradiol EP Impurity F                     | VS-E061006 | 56324-28-8   |
| 9310 | Ethinylestradiol EP Impurity G                     | VS-E061007 | 38002-18-5   |
| 9311 | Ethinylestradiol EP Impurity H                     | VS-E061008 | 1350468-76-6 |
| 9312 | Ethinylestradiol EP Impurity I                     | VS-E061009 | 67703-68-8   |
| 9313 | Ethinylestradiol EP Impurity J                     | VS-E061010 | 15071-66-6   |
| 9314 | Ethinylestradiol EP Impurity K                     | VS-E061011 | 155683-61-7  |
| 9315 | Ethinylestradiol EP Impurity L                     | VS-E061012 | 57-91-0      |
| 9316 | Ethinylestradiol EP Impurity L Sulfate salt        | VS-E061013 | 934586-82-0  |
| 9317 | Ethinylestradiol EP Impurity M                     | VS-E061014 | 3240-39-9    |
| 9318 | Ethinylestradiol Dimer                             | VS-E061015 | N/A          |
| 9319 | 17 $\beta$ -Dihydro-17 $\alpha$ -ethynyl-equilenin | VS-E061016 | 1357266-17-1 |
| 9320 | $\alpha$ -Ethynodiol diacetate                     | VS-E061017 | 61217-13-8   |
| 9321 | Ethinyl Estradiol Dimer Impurity 1                 | VS-E061018 | 303014-90-6  |
| 9322 | Ethinyl Estradiol Dimer Impurity 2                 | VS-E061019 | 303014-91-7  |
| 9323 | Ethinylestradiol Impurity 1                        | VS-E061020 | 303014-86-0  |
| 9324 | Ethinylestradiol Impurity 2                        | VS-E061021 | 303014-87-1  |
| 9325 | Ethinylestradiol Impurity 3                        | VS-E061022 | 303014-88-2  |
| 9326 | Ethinylestradiol Impurity 4                        | VS-E061023 | 303014-89-3  |
| 9327 | Ethosuximide                                       | VS-E062000 | 77-67-8      |
| 9328 | Ethosuximide EP Impurity A                         | VS-E062001 | 631-31-2     |
| 9329 | 2-Ethyl-2-methylsuccinic acid Anhydride            | VS-E062002 | 50598-33-9   |



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| 9330 | 2-Ethyl-2-methylsuccinic Dinitrile    | VS-E062003 | 4172-97-8    |
| 9331 | Ethosuximide Impurity 1               | VS-E062004 | 43010-65-7   |
| 9332 | Ethosuximide Impurity 2               | VS-E062005 | 84590-14-7   |
| 9333 | Etilefrine                            | VS-E063000 | 709-55-7     |
| 9334 | Etilefrine EP Impurity A              | VS-E063001 | 22510-12-9   |
| 9335 | Etilefrine EP Impurity B              | VS-E063002 | 1477-63-0    |
| 9336 | Etilefrine EP Impurity C              | VS-E063003 | 536-21-0     |
| 9337 | Etilefrine EP Impurity D              | VS-E063004 | 42146-10-1   |
| 9338 | Etilefrine EP Impurity E              | VS-E063005 | 121-71-1     |
| 9339 | Etilefrine EP Impurity F              | VS-E063006 | 14321-27-8   |
| 9340 | Etilefrine Impurity 1                 | VS-E063007 | 1284901-14-9 |
| 9341 | Etilefrine Impurity 2                 | VS-E063008 | 1498223-44-1 |
| 9342 | Etodolac                              | VS-E064000 | 41340-25-4   |
| 9343 | Etodolac EP Impurity A                | VS-E064001 | 41339-67-7   |
| 9344 | Etodolac USP Related Compound A       | VS-E064002 | 109518-50-5  |
| 9345 | Etodolac EP Impurity B                | VS-E064003 | 41340-19-6   |
| 9346 | Etodolac EP Impurity C                | VS-E064004 | 109518-47-0  |
| 9347 | Etodolac EP Impurity D                | VS-E064005 | 57917-63-2   |
| 9348 | Etodolac EP Impurity E                | VS-E064006 | 57817-27-3   |
| 9349 | Etodolac EP Impurity F                | VS-E064007 | 849630-65-5  |
| 9350 | Etodolac EP Impurity G                | VS-E064008 | 57816-83-8   |
| 9351 | Etodolac EP Impurity H                | VS-E064009 | 41340-36-7   |
| 9352 | Etodolac EP Impurity H Hydrochloride  | VS-E064010 | 1135248-09-7 |
| 9353 | Etodolac EP Impurity I                | VS-E064011 | N/A          |
| 9354 | Etodolac EP Impurity J                | VS-E064012 | 115066-03-0  |
| 9355 | Etodolac EP Impurity K                | VS-E064013 | 122188-02-7  |
| 9356 | Etodolac EP Impurity L                | VS-E064014 | 2789629-50-9 |
| 9357 | N-Methyl Etodolac                     | VS-E064015 | 849630-94-0  |
| 9358 | 6-Hydroxy Etodolac                    | VS-E064016 | 101901-06-8  |
| 9359 | (S)-Etodolac                          | VS-E064017 | 87249-11-4   |
| 9360 | (R)-Etodolac                          | VS-E064018 | 87226-41-3   |
| 9361 | 2-ethylphenylhydrazine hydrochloride  | VS-E064019 | 19398-06-2   |
| 9362 | 4-ethylphenylhydrazine hydrochloride  | VS-E064020 | 53661-18-0   |
| 9363 | phenylhydrazine hydrochloride         | VS-E064021 | 59-88-1      |
| 9364 | 2-methylphenylhydrazine hydrochloride | VS-E064022 | 635-26-7     |
| 9365 | nitrobenzene                          | VS-E064023 | 98-95-3      |
| 9366 | 1-methyl-2-nitrobenzene               | VS-E064024 | 88-72-2      |
| 9367 | 8-(1-Hydroxyethyl)etodolac            | VS-E064025 | 101901-08-0  |
| 9368 | 7-Hydroxy Etodolac                    | VS-E064026 | 101901-07-9  |
| 9369 | 5-Hydroxy Etodolac                    | VS-E064027 | 314734-19-5  |
| 9370 | Etodolac Sodium salt                  | VS-E064028 | 110781-63-0  |
| 9371 | Etodolac Potassium salt               | VS-E064029 | 147236-01-9  |
| 9372 | (S)-Etodolac Sodium salt              | VS-E064030 | 136172-37-7  |
| 9373 | (S)-Etodolac Potassium salt           | VS-E064031 | 170222-32-9  |
| 9374 | (R)-Etodolac Sodium salt              | VS-E064032 | 150975-87-4  |
| 9375 | (R)-Etodolac Potassium salt           | VS-E064033 | 930283-52-6  |
| 9376 | 2-ethylphenylhydrazine                | VS-E064034 | 19275-55-9   |

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| 9377 | 4-ethylphenylhydrazine                  | VS-E064035 | 54840-34-5   |
| 9378 | phenylhydrazine                         | VS-E064036 | 100-63-0     |
| 9379 | 2-methylphenylhydrazine                 | VS-E064037 | 529-27-1     |
| 9380 | 1-methyl-2-nitrobenzene Sulfate         | VS-E064038 | 112484-80-7  |
| 9381 | Etodolac Impurity 1                     | VS-E064039 | N/A          |
| 9382 | Etofenamate                             | VS-E065000 | 30544-47-9   |
| 9383 | Etofenamate EP Impurity A               | VS-E065001 | 530-78-9     |
| 9384 | Etofenamate EP Impurity B               | VS-E065002 | 67330-25-0   |
| 9385 | Etofenamate EP Impurity C               | VS-E065003 | 101-23-5     |
| 9386 | Etofenamate EP Impurity D               | VS-E065004 | 64352-84-7   |
| 9387 | Etofenamate EP Impurity E               | VS-E065005 | 2200281-00-9 |
| 9388 | Etofenamate EP Impurity F               | VS-E065006 | 111-46-6     |
| 9389 | Etofenamate EP Impurity G               | VS-E065007 | 32508-98-8   |
| 9390 | Etomidate                               | VS-E066000 | 33125-97-2   |
| 9391 | Etomidate EP Impurity A                 | VS-E066001 | 7036-56-8    |
| 9392 | Etomidate EP Impurity B                 | VS-E066002 | 5377-20-8    |
| 9393 | Etomidate EP Impurity C                 | VS-E066003 | 792842-51-4  |
| 9394 | Etomidate Acid                          | VS-E066004 | 56649-48-0   |
| 9395 | S-(-)-Etomidate                         | VS-E066005 | 56649-47-9   |
| 9396 | Etomidate Racemate                      | VS-E066006 | 15301-65-2   |
| 9397 | Etomidate N-Oxide                       | VS-E066007 | 2433776-55-5 |
| 9398 | Etomidate Impurity 1                    | VS-E066008 | N/A          |
| 9399 | Etomidate Impurity 2                    | VS-E066009 | N/A          |
| 9400 | Etomidate intermediate Nitroso impurity | VS-E066010 | 2765007-50-7 |
| 9401 | Etonogestrel                            | VS-E067000 | 54048-10-1   |
| 9402 | Etonogestrel USP Related Compound A     | VS-E067001 | 54024-17-8   |
| 9403 | Etonogestrel Impurity 2                 | VS-E067002 | 1574323-08-2 |
| 9404 | Etonogestrel Impurity 3                 | VS-E067003 | 149438-01-7  |
| 9405 | Etonogestrel Impurity 4                 | VS-E067004 | 220332-82-1  |
| 9406 | Etonogestrel Impurity 5                 | VS-E067005 | 946163-53-7  |
| 9407 | Etonogestrel Impurity 6                 | VS-E067006 | N/A          |
| 9408 | Etonogestrel Impurity 7                 | VS-E067007 | N/A          |
| 9409 | Etonogestrel Impurity 8                 | VS-E067008 | N/A          |
| 9410 | Etonogestrel Impurity 9                 | VS-E067009 | 215252-94-1  |
| 9411 | Etonogestrel Impurity 10                | VS-E067010 | N/A          |
| 9412 | Etonogestrel Impurity 11                | VS-E067011 | N/A          |
| 9413 | Etonogestrel Impurity 12                | VS-E067012 | N/A          |
| 9414 | Etonogestrel Impurity 13                | VS-E067013 | N/A          |
| 9415 | Etonogestrel Impurity 14                | VS-E067014 | N/A          |
| 9416 | Etoposide                               | VS-E068000 | 33419-42-0   |
| 9417 | Etoposide EP Impurity A                 | VS-E068001 | 124151-67-3  |
| 9418 | Etoposide EP Impurity B                 | VS-E068002 | 100007-56-5  |
| 9419 | Etoposide EP Impurity C                 | VS-E068003 | 100007-53-2  |
| 9420 | Etoposide EP Impurity D                 | VS-E068004 | 23363-35-1   |
| 9421 | Etoposide EP Impurity E                 | VS-E068005 | 6559-91-7    |
| 9422 | Etoposide EP Impurity F                 | VS-E068006 | N/A          |
| 9423 | Etoposide EP Impurity G                 | VS-E068007 | N/A          |

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| 9424 | Etoposide EP Impurity H             | VS-E068008 | 102306-95-6  |
| 9425 | Etoposide EP Impurity I             | VS-E068009 | 111712-42-6  |
| 9426 | Etoposide EP Impurity J             | VS-E068010 | 118356-05-1  |
| 9427 | Etoposide EP Impurity K             | VS-E068011 | N/A          |
| 9428 | Etoposide EP Impurity L             | VS-E068012 | 40505-27-9   |
| 9429 | Etoposide EP Impurity M             | VS-E068013 | 518-28-5     |
| 9430 | Etoposide EP Impurity N             | VS-E068014 | N/A          |
| 9431 | Etoposide EP Impurity O             | VS-E068015 | N/A          |
| 9432 | Etoposide EP Impurity P             | VS-E068016 | 117669-31-5  |
| 9433 | Etoposide EP Impurity Q             | VS-E068017 | 153975-26-9  |
| 9434 | Etoposide EP Impurity R             | VS-E068018 | N/A          |
| 9435 | Etoposide Impurity 1                | VS-E068019 | 89709-04-6   |
| 9436 | Etoposide Impurity 2                | VS-E068020 | 105453-33-6  |
| 9437 | Etoricoxib                          | VS-E069000 | 202409-33-4  |
| 9438 | ETORICOXIB IMPURITY A               | VS-E069001 | 10297-73-1   |
| 9439 | Etoricoxib USP RC B                 | VS-E069002 | 90536-66-6   |
| 9440 | Etoricoxib Impurity D               | VS-E069003 | 221615-75-4  |
| 9441 | Etoricoxib Impurity E               | VS-E069004 | 5470-70-2    |
| 9442 | 2-chloroacetamide                   | VS-E069005 | 79-07-2      |
| 9443 | 2-chloroacetic acid                 | VS-E069006 | 79-11-8      |
| 9444 | Etoricoxib N1'-Oxide                | VS-E069007 | 325855-74-1  |
| 9445 | Etoricoxib CDPTH-Phosphate Impurity | VS-E069008 | N/A          |
| 9446 | Etoricoxib Impurity 1               | VS-E069009 | 349536-39-6  |
| 9447 | Etoricoxib Impurity 2               | VS-E069010 | 349536-41-0  |
| 9448 | Etoricoxib Impurity 3               | VS-E069011 | N/A          |
| 9449 | Etoricoxib Impurity 4               | VS-E069012 | 646459-45-2  |
| 9450 | Etoricoxib Impurity 5               | VS-E069013 | 1421227-96-4 |
| 9451 | Etoricoxib Impurity 6               | VS-E069014 | 1798110-01-6 |
| 9452 | Etoricoxib Impurity 7               | VS-E069015 | 646459-39-4  |
| 9453 | Etoricoxib Impurity 8               | VS-E069016 | 1421227-97-5 |
| 9454 | Etoricoxib Impurity 9               | VS-E069017 | 859824-65-0  |
| 9455 | Etoricoxib Impurity 10              | VS-E069018 | 316149-01-6  |
| 9456 | Etoricoxib Impurity 11              | VS-E069019 | 202409-31-2  |
| 9457 | Etoricoxib Impurity 12              | VS-E069020 | 646459-41-8  |
| 9458 | Etoricoxib Impurity 13              | VS-E069021 | 1817735-82-2 |
| 9459 | Etoricoxib Impurity 14              | VS-E069022 | N/A          |
| 9460 | Etoricoxib Impurity 15              | VS-E069023 | 73312-69-3   |
| 9461 | Etoricoxib Impurity 16              | VS-E069024 | 292067-97-1  |
| 9462 | Etoricoxib Impurity 17              | VS-E069025 | 307531-95-9  |
| 9463 | Etoricoxib Impurity 18              | VS-E069026 | 1027162-35-1 |
| 9464 | Etoricoxib Impurity 19              | VS-E069027 | 307531-96-0  |
| 9465 | Etoricoxib Impurity 20              | VS-E069028 | N/A          |
| 9466 | Etoricoxib Impurity 21              | VS-E069029 | 325855-71-8  |
| 9467 | Etoricoxib Impurity 22              | VS-E069030 | 1352804-27-3 |
| 9468 | Etoricoxib Impurity 23              | VS-E069031 | 1810761-43-3 |
| 9469 | Etoricoxib Impurity 24              | VS-E069032 | 221615-73-2  |
| 9470 | Etoricoxib Impurity 25              | VS-E069033 | 1350206-14-2 |

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| 9471 | Etoricoxib Impurity 26                | VS-E069034 | 291756-76-8  |
| 9472 | Etoricoxib Impurity 27                | VS-E069035 | 2373365-28-5 |
| 9473 | Etoricoxib Impurity 28                | VS-E069036 | N/A          |
| 9474 | Etoricoxib Related Compound C         | VS-E069037 | 249561-98-6  |
| 9475 | Etravirine                            | VS-E070000 | 269055-15-4  |
| 9476 | Dihydroxy Etravirine                  | VS-E070001 | 1246818-67-6 |
| 9477 | Monohydroxy Etravirine                | VS-E070002 | 1246815-68-8 |
| 9478 | Desbromo Etravirine Impurity          | VS-E070003 | 939431-68-2  |
| 9479 | Etravirine Impurity 2                 | VS-E070004 | 907180-19-2  |
| 9480 | Etravirine Impurity 3                 | VS-E070005 | 1398507-09-9 |
| 9481 | Etravirine Impurity 4                 | VS-E070006 | 269055-19-8  |
| 9482 | Etravirine Impurity 5                 | VS-E070007 | 269055-04-1  |
| 9483 | Etravirine Bromo Dimer Impurity       | VS-E070008 | 1704730-70-0 |
| 9484 | Etravirine Impurity 7                 | VS-E070009 | 1263409-98-8 |
| 9485 | Etravirine Impurity 8                 | VS-E070010 | 1225383-64-1 |
| 9486 | Etravirine Impurity 9                 | VS-E070011 | N/A          |
| 9487 | Etravirine Impurity 10                | VS-E070012 | N/A          |
| 9488 | Etravirine Impurity 11                | VS-E070013 | N/A          |
| 9489 | Etravirine Impurity 12                | VS-E070014 | 1706943-59-0 |
| 9490 | Etravirine Impurity 13                | VS-E070015 | N/A          |
| 9491 | Etravirine Impurity 14                | VS-E070016 | N/A          |
| 9492 | Etravirine Impurity 15                | VS-E070017 | 2240161-93-5 |
| 9493 | Etravirine Impurity 17                | VS-E070018 | 1704729-90-7 |
| 9494 | Etravirine Impurity 16                | VS-E070019 | 2240161-92-4 |
| 9495 | Europine Hydrochloride                | VS-E071001 | N/A          |
| 9496 | Europine-N-Oxide                      | VS-E071002 | 65582-53-8   |
| 9497 | Everolimus                            | VS-E072000 | 159351-69-6  |
| 9498 | Everolimus EP Impurity A              | VS-E072001 | 53123-88-9   |
| 9499 | Everolimus EP Impurity B              | VS-E072002 | 1062122-63-7 |
| 9500 | Everolimus EP Impurity C              | VS-E072003 | 745779-75-3  |
| 9501 | Everolimus EP Impurity D              | VS-E072004 | N/A          |
| 9502 | Everolimus EP Impurity E              | VS-E072005 | 1237826-25-3 |
| 9503 | Everolimus EP Impurity F              | VS-E072006 | N/A          |
| 9504 | Everolimus t-Butyldimethylsilyl Ether | VS-E072007 | 159351-68-5  |
| 9505 | Everolimus Cyclic Hemi Acetyl         | VS-E072008 | N/A          |
| 9506 | Everolimus Ring-opening Impurity      | VS-E072009 | 1708118-13-1 |
| 9507 | Everolimus Impurity 1                 | VS-E072010 | N/A          |
| 9508 | Everolimus Impurity 2                 | VS-E072011 | N/A          |
| 9509 | Everolimus Impurity 3                 | VS-E072012 | N/A          |
| 9510 | Evogliptin Tartarate                  | VS-E073000 | 1222102-51-3 |
| 9511 | Evogliptin Impurity S1                | VS-E073001 | N/A          |
| 9512 | Evogliptin Impurity S2                | VS-E073002 | N/A          |
| 9513 | Evogliptin Impurity S3                | VS-E073003 | N/A          |
| 9514 | Evogliptin Impurity R15               | VS-E073004 | N/A          |
| 9515 | Evogliptin Impurity R6                | VS-E073005 | N/A          |
| 9516 | Evogliptin Impurity R7                | VS-E073006 | N/A          |
| 9517 | Evogliptin Impurity R5                | VS-E073007 | N/A          |

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| 9518 | Evogliptin Impurity                             | VS-E073008 | N/A          |
| 9519 | Evogliptin Impurity 1                           | VS-E073009 | N/A          |
| 9520 | Evogliptin Impurity 2                           | VS-E073010 | N/A          |
| 9521 | Evogliptin Impurity 3                           | VS-E073011 | N/A          |
| 9522 | Exemestane                                      | VS-E074000 | 107868-30-4  |
| 9523 | Exemestane EP Impurity B                        | VS-E074001 | 184972-09-6  |
| 9524 | Exemestane EP Impurity C                        | VS-E074002 | N/A          |
| 9525 | Exemestane EP Impurity D                        | VS-E074003 | 897-06-3     |
| 9526 | Exemestane EP Impurity E                        | VS-E074004 | 19457-55-7   |
| 9527 | Exemestane EP Impurity F                        | VS-E074005 | 72648-46-5   |
| 9528 | Exemestane EP Impurity H                        | VS-E074006 | 122370-91-6  |
| 9529 | Exemestane EP Impurity J                        | VS-E074007 | 1160599-91-6 |
| 9530 | Exemestane EP Impurity I                        | VS-E074008 | N/A          |
| 9531 | Exemestane 6-Hydroxymethyl Impurity             | VS-E074009 | 152764-26-6  |
| 9532 | Exemestane Diol Impurity                        | VS-E074010 | 184972-11-0  |
| 9533 | 17-Beta-Hydroxy Exemestane Epoxide              | VS-E074011 | 1331732-05-8 |
| 9534 | Epoxy Exemestane (6-Beta Isomer)                | VS-E074012 | 152764-31-3  |
| 9535 | 16 $\alpha$ , 17 $\alpha$ -Epoxy Exemestane     | VS-E074013 | N/A          |
| 9536 | Exemestane Metabolite 1                         | VS-E074014 | N/A          |
| 9537 | Exemestane Metabolite 2                         | VS-E074015 | N/A          |
| 9538 | Exemestane Related Compound 1                   | VS-E074016 | N/A          |
| 9539 | Exemestane Related Compound 2                   | VS-E074017 | N/A          |
| 9540 | Exemestane Related Compound 2 (17-alpha Isomer) | VS-E074018 | N/A          |
| 9541 | Exemestane Related Compound 2 (17-beta Isomer)  | VS-E074019 | N/A          |
| 9542 | Exemestane USP Related Compound D               | VS-E074020 | 2467590-81-2 |
| 9543 | Exemestane Intermediate                         | VS-E074021 | 09-08-54     |
| 9544 | Epoxy Exemestane (6-Alfa Isomer)                | VS-E074022 | 152764-24-4  |
| 9545 | Epoxy Exemestane (6 Alpha , Beta Isomer)        | VS-E074023 | 184972-12-1  |
| 9546 | 4-chloro exemestane                             | VS-E074024 | 107868-36-0  |
| 9547 | Delta-1,6 - methylene -17-hydroxyprogesterone   | VS-E074025 | 1204325-01-8 |
| 9548 | Exemestane Impurity 1                           | VS-E074026 | 159354-61-7  |
| 9549 | Exemestane Impurity 5                           | VS-E074027 | 63-05-8      |
| 9550 | Exemestane Impurity 6                           | VS-E074028 | N/A          |
| 9551 | Exemestane Impurity 7                           | VS-E074029 | N/A          |
| 9552 | Exemestane Impurity 8                           | VS-E074030 | 1035-69-4    |
| 9553 | Exemestane Impurity 9                           | VS-E074031 | 68539-12-8   |
| 9554 | Exemestane Impurity 10                          | VS-E074032 | 17305-49-6   |
| 9555 | Exemestane Impurity 11                          | VS-E074033 | N/A          |
| 9556 | Exemestane Impurity 12                          | VS-E074034 | 881896-95-3  |
| 9557 | Exemestane Impurity 13                          | VS-E074035 | N/A          |
| 9558 | Exemestane Impurity 14                          | VS-E074036 | N/A          |
| 9559 | Exemestane Impurity 15                          | VS-E074037 | 861398-01-8  |
| 9560 | Ezetimibe                                       | VS-E075000 | 163222-33-1  |
| 9561 | Ezetimibe Impurity B                            | VS-E075001 | 1368310-60-4 |
| 9562 | Ezetimibe Open-Ring Anhydro Alcohol             | VS-E075002 | 1374250-07-3 |
| 9563 | Ezetimibe o-Fluorobenzene Isomer (USP)          | VS-E075003 | 1798008-25-9 |
| 9564 | Ezetimibe meta-Fluoroaniline Analog (USP)       | VS-E075004 | N/A          |

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| 9565 | Ezetimibe Benzyl Diol Impurity                                                                     | VS-E075005 | 1374250-06-2 |
| 9566 | Ezetimibe Open-Ring Alcohol                                                                        | VS-E075006 | 1374250-08-4 |
| 9567 | Ezetimibe meta-Fluorobenzene Isomer                                                                | VS-E075007 | N/A          |
| 9568 | Ezetimibe (RRR)-Isomer                                                                             | VS-E075008 | 1593542-96-1 |
| 9569 | Ezetimibe (RSS)-Isomer                                                                             | VS-E075009 | 1478664-18-4 |
| 9570 | Ezetimibe 3-Dehydroxy Impurity                                                                     | VS-E075010 | 204589-58-2  |
| 9571 | Ezetimibe Ketone                                                                                   | VS-E075011 | 191330-56-0  |
| 9572 | Ezetimibe Benzyl Ether Impurity                                                                    | VS-E075012 | 163222-32-0  |
| 9573 | Ezetimibe Diacetate                                                                                | VS-E075013 | 163380-20-9  |
| 9574 | Ezetimibe (RRS)-Isomer                                                                             | VS-E075014 | 163380-16-3  |
| 9575 | Ezetimibe Anhydro (E)-Isomer                                                                       | VS-E075015 | 204589-68-4  |
| 9576 | Ezetimibe (SSS)-Isomer                                                                             | VS-E075016 | 1593543-07-7 |
| 9577 | Ezetimibe (RSR)-Isomer                                                                             | VS-E075017 | 1376614-99-1 |
| 9578 | Ezetimibe 3-O-Acetyl Impurity                                                                      | VS-E075018 | 1044664-24-5 |
| 9579 | Ezetimibe Tetrahydropyran Impurity                                                                 | VS-E075019 | 1296129-15-1 |
| 9580 | Ezetimibe Open-Ring Anhydro Acid (Z)-Isomer                                                        | VS-E075020 | N/A          |
| 9581 | Ezetimibe Anhydro (Z)-Isomer                                                                       | VS-E075021 | 2489622-50-4 |
| 9582 | Ezetimibe (SSR)-Isomer                                                                             | VS-E075022 | 1593543-00-0 |
| 9583 | Ezetimibe Open-Ring Acid                                                                           | VS-E075023 | 1391053-63-6 |
| 9584 | Ezetimibe Open-Ring Anhydro Acid                                                                   | VS-E075024 | N/A          |
| 9585 | Ezetimibe (3R,4R,3'S)-Isomer                                                                       | VS-E075025 | 1478664-02-6 |
| 9586 | Ezetimibe Aniline Impurity                                                                         | VS-E075026 | 1354716-98-5 |
| 9587 | Ezetimibe Desfluoro Chloro Impurity                                                                | VS-E075027 | 1700622-08-7 |
| 9588 | Ezetimibe Desfluoro Methyl Impurity                                                                | VS-E075028 | 1700622-07-6 |
| 9589 | Ezetimibe Benzyl Impurity (MBZT-2)                                                                 | VS-E075029 | 851860-29-2  |
| 9590 | Mixture of Ezetimibe (3R,4R,3'R)-Isomer and Ezetimibe (3R,4R,3'S)-Isomer                           | VS-E075030 | 934245-16-6  |
| 9591 | Ezetimibe Impurity (Tetrahydro-pyran-2-one)                                                        | VS-E075031 | N/A          |
| 9592 | Ezetimibe impurity (3-[5-(4-Fluoro-phenyl)-5-(S)-hydroxy-pentanoyl]-4-(S)-phenyl-oxazolidin-2-one) | VS-E075032 | 189028-95-3  |
| 9593 | (R)-Ezetimibe Desfluoro Chloro Impurity                                                            | VS-E075033 | N/A          |
| 9594 | Ezetimibe Triol Impurity                                                                           | VS-E075034 | N/A          |
| 9595 | ent-Ezetimibe Ketone                                                                               | VS-E075035 | 1376615-01-8 |
| 9596 | Ezetimibe Trihydroxy Impurity                                                                      | VS-E075036 | N/A          |
| 9597 | Desfluoro Ezetimibe                                                                                | VS-E075037 | 302781-98-2  |
| 9598 | 3-O-Acetyl Ezetimibe                                                                               | VS-E075038 | 190448-46-5  |
| 9599 | Ezetimibe Diacetate                                                                                | VS-E075039 | 163222-39-7  |
| 9600 | Ezetimibe Phenoxy Glucuronide                                                                      | VS-E075040 | 190448-57-8  |
| 9601 | Ezetimibe Impurity ((S)-4-Phenyloxazolidin-2-one)                                                  | VS-E075041 | 99395-88-7   |
| 9602 | Ezetimibe Ring-Open Impurity                                                                       | VS-E075042 | 1197811-72-5 |
| 9603 | Ezetimibe Hydroxy Glucuronide                                                                      | VS-E075043 | N/A          |
| 9604 | Benzyl Ezetimibe Diol (Mixture of Diastereomers)                                                   | VS-E075044 | N/A          |
| 9605 | Ezetimibe Open Ring Acid Impurity                                                                  | VS-E075045 | 1013025-04-1 |
| 9606 | Ezetimibe Stage-II Impurity                                                                        | VS-E075046 | 272778-12-8  |
| 9607 | Ezetimibe Isomer                                                                                   | VS-E075047 | N/A          |
| 9608 | Ezetimibe Cyclic Ether Impurity                                                                    | VS-E075048 | 1050631-82-7 |
| 9609 | Ezetimibe Impurity 1                                                                               | VS-E075049 | 1700622-06-5 |
| 9610 | Ezetimibe Impurity 2                                                                               | VS-E075050 | 404874-94-8  |

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| 9611 | Ezetimibe Impurity 3           | VS-E075051 | 1612153-32-8 |
| 9612 | Ezetimibe Impurity 4           | VS-E075052 | 189028-93-1  |
| 9613 | Ezetimibe Impurity 5           | VS-E075053 | 204589-82-2  |
| 9614 | Ezetimibe Impurity 6           | VS-E075054 | 190595-65-4  |
| 9615 | Ezetimibe Impurity 7           | VS-E075055 | 1607018-80-3 |
| 9616 | Ezetimibe Impurity 8           | VS-E075056 | 1185883-40-2 |
| 9617 | Ezetimibe Impurity 9           | VS-E075057 | 1618657-31-0 |
| 9618 | Ezetimibe Impurity 10          | VS-E075058 | N/A          |
| 9619 | Ezetimibe Impurity 11          | VS-E075059 | 2191318-99-5 |
| 9620 | Ezetimibe Impurity 12          | VS-E075060 | N/A          |
| 9621 | Ezetimibe Impurity 13          | VS-E075061 | N/A          |
| 9622 | Ezetimibe Impurity 14          | VS-E075062 | N/A          |
| 9623 | Ezetimibe Impurity 15          | VS-E075063 | N/A          |
| 9624 | Ezetimibe Impurity 16          | VS-E075064 | N/A          |
| 9625 | Ezetimibe Impurity 17          | VS-E075065 | 1251741-03-3 |
| 9626 | Ezetimibe Impurity 18          | VS-E075066 | N/A          |
| 9627 | Ezetimibe Impurity 19          | VS-E075067 | N/A          |
| 9628 | Ezetimibe Impurity 20          | VS-E075068 | N/A          |
| 9629 | Ezetimibe Impurity 21          | VS-E075069 | 190595-66-5  |
| 9630 | Ezetimibe Impurity 22          | VS-E075070 | N/A          |
| 9631 | Ezetimibe Impurity 23          | VS-E075071 | N/A          |
| 9632 | Ezetimibe Impurity 24          | VS-E075072 | N/A          |
| 9633 | Ezetimibe Impurity 25          | VS-E075073 | 1809031-15-9 |
| 9634 | Ezetimibe Impurity 26          | VS-E075074 | 3382-63-6    |
| 9635 | Des Silyl Ezetimibe 27         | VS-E075075 | N/A          |
| 9636 | Des F-A Ezetimibe 28           | VS-E075076 | 163222-31-9  |
| 9637 | Des F-B Ezetimibe 29           | VS-E075077 | N/A          |
| 9638 | Ezetimibe Impurity 30          | VS-E075078 | 2512202-06-9 |
| 9639 | Ezetimibe Impurity 31          | VS-E075079 | 149437-76-3  |
| 9640 | Ezetimibe Impurity 32          | VS-E075080 | 528565-93-7  |
| 9641 | Ezetimibe Impurity 33          | VS-E075081 | N/A          |
| 9642 | Ezetimibe Impurity 34          | VS-E075082 | N/A          |
| 9643 | Ezetimibe Impurity 35          | VS-E075083 | N/A          |
| 9644 | Ezetimibe Impurity 36          | VS-E075084 | N/A          |
| 9645 | Ezetimibe Impurity 37          | VS-E075085 | N/A          |
| 9646 | Ezetimibe Impurity 38          | VS-E075086 | 2280081-69-6 |
| 9647 | Ezetimibe Impurity 39          | VS-E075087 | 845790-38-7  |
| 9648 | Ezetimibe Impurity 40          | VS-E075088 | N/A          |
| 9649 | Ezetimibe Impurity 41          | VS-E075089 | 1354716-94-1 |
| 9650 | Ezetimibe Impurity 42          | VS-E075090 | N/A          |
| 9651 | Ezetimibe Impurity 51          | VS-E075091 | 1684445-71-3 |
| 9652 | Ezetimibe Impurity 53          | VS-E075092 | NA           |
| 9653 | Estrone Sodium Sulfate         | VS-E076001 | 438-67-5     |
| 9654 | 3-O-Methyl Estrone             | VS-E076002 | 1624-62-0    |
| 9655 | Estrone $\beta$ -D-Glucuronide | VS-E076003 | 2479-90-5    |
| 9656 | 4-Methoxy Estrone              | VS-E076004 | 58562-33-7   |
| 9657 | 2-Methoxy Estrone              | VS-E076005 | 362-08-3     |

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| 9658 | Delta-8,9-Dehydro Estrone                | VS-E076006 | 474-87-3     |
| 9659 | Delta-8,9-Dehydro Estrone Sulfate Sodium | VS-E076007 | 61612-83-7   |
| 9660 | 4-Hydroxy Estrone 1-N7-Guanine           | VS-E076008 | 178971-92-1  |
| 9661 | 4-Hydroxy estrone 1-N3-Adenine           | VS-E076009 | 488841-24-3  |
| 9662 | 10-beta-Hydroxyestr-4-ene-3,17-dione     | VS-E076010 | 5189-96-8    |
| 9663 | Estrololactone                           | VS-E076011 | 604-82-0     |
| 9664 | Delta-9,11-Dehydro Estrone               | VS-E076012 | 1089-80-1    |
| 9665 | Estropipate                              | VS-E076013 | 7280-37-7    |
| 9666 | Ecgonine Impurity 1                      | VS-E077000 | 188948-53-0  |
| 9667 | Ecgonine Impurity 2                      | VS-E077001 | 529-38-4     |
| 9668 | Efonidipine                              | VS-E078000 | 111011-63-3  |
| 9669 | Efonidipine Impurity 1                   | VS-E078001 | 111011-78-0  |
| 9670 | Eicosapentaenoic Acid                    | VS-E079000 | 10417-94-4   |
| 9671 | Phytanic Acid Ethyl Ester                | VS-E079001 | 3862-29-1    |
| 9672 | Eicosapentaenoic Acid Impurity 1         | VS-E079002 | NA           |
| 9673 | Eicosapentaenoic Acid Impurity 2         | VS-E079003 | 845779-89-7  |
| 9674 | Eicosapentaenoic Acid Impurity 3         | VS-E079004 | 31450-14-3   |
| 9675 | Eicosapentaenoic Acid Impurity 4         | VS-E079005 | 2347415-30-7 |
| 9676 | Eicosapentaenoic Acid Impurity 5         | VS-E079006 | 142828-41-9  |
| 9677 | Eicosapentaenoic Acid Impurity 6         | VS-E079007 | 142828-42-0  |
| 9678 | Eicosapentaenoic Acid Impurity 7         | VS-E079008 | 1191-41-9    |
| 9679 | Eicosapentaenoic Acid Impurity 8         | VS-E079009 | 2580285-53-4 |
| 9680 | Eicosapentaenoic Acid Impurity 9         | VS-E079010 | 2692622-82-3 |
| 9681 | Eicosapentaenoic Acid Impurity 10        | VS-E079011 | 95285-77-1   |
| 9682 | Eicosapentaenoic Acid Impurity 11        | VS-E079012 | 123940-93-2  |
| 9683 | Eicosapentaenoic Acid Impurity 12        | VS-E079013 | 131775-86-5  |
| 9684 | Eicosapentaenoic Acid Impurity 13        | VS-E079014 | 119818-40-5  |
| 9685 | Eicosapentaenoic Acid Impurity 14        | VS-E079015 | 81926-94-5   |
| 9686 | Eicosapentaenoic Acid Ethyl Ester        | VS-E079016 | 86227-47-6   |
| 9687 | Eicosapentaenoic Acid Methyl Ester       | VS-E079017 | 2734-47-6    |
| 9688 | Arachidonic Acid                         | VS-E079018 | 506-32-1     |
| 9689 | Heneicosapentaenoic Acid                 | VS-E079019 | 24257-10-1   |
| 9690 | Eicosapentaenoic Acid-d5                 | VS-E079020 | 1197205-73-4 |
| 9691 | Eicosapentaenoic Acid-d5 Ethyl Ester     | VS-E079021 | 1185247-85-1 |
| 9692 | Eicosapentaenoic Acid Ethyl-d5 Ester     | VS-E079022 | 1392217-44-5 |
| 9693 | Arachidonic Acid Methyl Ester            | VS-E079023 | 2566-89-4    |
| 9694 | Eltrombopag Olamine                      | VS-E080000 | 496775-62-3  |
| 9695 | Eltrombopag Olamine Impurity 1           | VS-E080001 | 376591-99-0  |
| 9696 | Eltrombopag Olamine Nitroso Impurity     | VS-E080002 | NA           |
| 9697 | Eluxadoline                              | VS-E081000 | 864821-90-9  |
| 9698 | Eluxadoline Impurity 1                   | VS-E081001 | 2512188-46-2 |
| 9699 | Eluxadoline Impurity 2                   | VS-E081002 | 1052250-94-8 |
| 9700 | Enoxolone                                | VS-E082000 | 471-53-4     |
| 9701 | Enoxolone EP Impurity A                  | VS-E082001 | 1449-05-4    |
| 9702 | Enoxolone EP Impurity B                  | VS-E082002 | 52911-55-4   |
| 9703 | Ensulizole                               | VS-E083000 | 27503-81-7   |
| 9704 | Epoprostenol Sodium                      | VS-E084000 | 61849-14-7   |



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| 9705 | Epoprostenol Impurity 1                | VS-E084001 | NA           |
| 9706 | Epoprostenol Impurity 2                | VS-E084002 | NA           |
| 9707 | Epoprostenol Impurity 3                | VS-E084003 | NA           |
| 9708 | Epoprostenol Impurity 4                | VS-E084004 | NA           |
| 9709 | Erdosteine                             | VS-E085000 | 84611-23-4   |
| 9710 | Erdosteine M1 13C4 Disodium Salt       | VS-E085001 | NA           |
| 9711 | Erdosteine Methyl Ester                | VS-E085002 | 1667709-77-4 |
| 9712 | Erdosteine D L-Homocysteine            | VS-E085003 | 454-29-5     |
| 9713 | Erdosteine Thioacid                    | VS-E085004 | 121213-21-6  |
| 9714 | Erdosteine Thioacid Disodium Salt      | VS-E085005 | 254884-18-9  |
| 9715 | Ergotamine EP Impurity A               | VS-E086000 | 72170-28-6   |
| 9716 | Ergotamine EP Impurity B               | VS-E086001 | 639-81-6     |
| 9717 | Ergotamine EP Impurity C               | VS-E086002 | 2854-38-8    |
| 9718 | Ergotamine EP Impurity D               | VS-E086003 | 511-08-0     |
| 9719 | Escin                                  | VS-E087000 | 11072-93-8   |
| 9720 | Escin Impurity A                       | VS-E087001 | 123748-68-5  |
| 9721 | Escin Impurity B                       | VS-E087002 | 26339-90-2   |
| 9722 | Isoescin Impurity A                    | VS-E087003 | 219944-39-5  |
| 9723 | Isoescin Impurity B                    | VS-E087004 | 219944-46-4  |
| 9724 | Esketamine Hydrochloride               | VS-E088000 | 33643-47-9   |
| 9725 | Esketamine Hydrochloride EP Impurity A | VS-E088001 | 6740-87-0    |
| 9726 | Esketamine Hydrochloride EP Impurity B | VS-E088002 | 1823362-29-3 |
| 9727 | Esketamine Hydrochloride EP Impurity C | VS-E088003 | 90717-17-2   |
| 9728 | Esketamine Hydrochloride EP Impurity D | VS-E088004 | 33643-49-1   |
| 9729 | Esketamine Impurity 1                  | VS-E088005 | 6740-86-9    |
| 9730 | Esketamine Impurity A HCl Salt         | VS-E088006 | 90717-16-1   |
| 9731 | Esketamine Impurity D (Recemic)        | VS-E088007 | 1867-66-9    |
| 9732 | Etamsylate                             | VS-E089000 | 2624-44-4    |
| 9733 | Etamsylate EP Impurity A               | VS-E089001 | 123-31-9     |
| 9734 | Ethotoin                               | VS-E090000 | 86-35-1      |
| 9735 | Etifoxine                              | VS-E091000 | 21715-46-8   |
| 9736 | Etifoxine Impurity 1                   | VS-E091001 | 16758-87-5   |
| 9737 | Evobrutinib                            | VS-E092000 | 1415823-73-2 |
| 9738 | N-Nitroso Evobrutinib                  | VS-E092001 | NA           |
| 9739 | Ecamsule                               | VS-E093000 | 92761-26-7   |
| 9740 | Ecamsule USP Related Compound A        | VS-E093001 | 589-29-7     |
| 9741 | Ecamsule USP Related Compound B        | VS-E093002 | 3006-96-0    |
| 9742 | Ecamsule USP Related Compound C        | VS-E093003 | 100-21-0     |
| 9743 | Ecamsule USP Related Compound D        | VS-E093004 | 02-08-72     |
| 9744 | Ecamsule USP Related Compound E        | VS-E093005 | NA           |
| 9745 | Ecamsule USP Related Compound F        | VS-E093006 | NA           |
| 9746 | Ecamsule USP Related Compound G        | VS-E093007 | NA           |
| 9747 | Elaiophylin                            | VS-E094000 | 37318-06-2   |
| 9748 | Epiisopiloturine                       | VS-E095000 | 69460-80-6   |
| 9749 | Epoxiconazole                          | VS-E096000 | 133855-98-8  |
| 9750 | Estazolam                              | VS-E097000 | 29975-16-4   |
| 9751 | Estazolam USP Related Compound A       | VS-E097001 | 37945-06-5   |

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| 9752 | Ethopabate                                 | VS-E098000 | 59-06-3     |
| 9753 | Ethopabate USP Related Compound A          | VS-E098001 | 4093-28-1   |
| 9754 | Ethopabate Impurity 1                      | VS-E098002 | 2486-55-7   |
| 9755 | Ethopabate Impurity 2                      | VS-E098003 | 153462-13-6 |
| 9756 | Ethopabate Impurity 3                      | VS-E098004 | 2486-67-1   |
| 9757 | Exenatide                                  | VS-E099000 | 141758-74-9 |
| 9758 | Famciclovir                                | VS-F001000 | 104227-87-4 |
| 9759 | Famciclovir USP Related Compound A         | VS-F001001 | 104227-86-3 |
| 9760 | Famciclovir USP Related Compound B         | VS-F001002 | 104227-88-5 |
| 9761 | Famciclovir USP Related Compound C         | VS-F001003 | 174155-70-5 |
| 9762 | Famciclovir N7-Isomer                      | VS-F001004 | 131266-15-4 |
| 9763 | Famciclovir N-Acetyl Impurity              | VS-F001005 | N/A         |
| 9764 | Deoxychloro famciclovir                    | VS-F001006 | N/A         |
| 9765 | Propionyl famciclovir                      | VS-F001007 | N/A         |
| 9766 | 6-Alkylamino famciclovir                   | VS-F001008 | N/A         |
| 9767 | 6- Amino Derivative Famciclovir            | VS-F001009 | 97845-71-1  |
| 9768 | Famcyclovir as mixture of Isomer           | VS-F001010 | N/A         |
| 9769 | 6- Chloro Famcyclovir as mixture of Isomer | VS-F001011 | N/A         |
| 9770 | Famciclovir Impurity 2                     | VS-F001012 | 23169-37-1  |
| 9771 | Famciclovir Impurity 3                     | VS-F001013 | 97845-65-3  |
| 9772 | Famciclovir Impurity 4                     | VS-F001014 | 234110-22-6 |
| 9773 | Famciclovir Impurity 5                     | VS-F001015 | 183475-21-0 |
| 9774 | Famciclovir Impurity 6                     | VS-F001016 | N/A         |
| 9775 | Famciclovir Impurity 7                     | VS-F001017 | 127205-22-5 |
| 9776 | Famciclovir Impurity 8                     | VS-F001018 | 126589-69-3 |
| 9777 | Famciclovir Impurity 9                     | VS-F001019 | 172645-79-3 |
| 9778 | Famciclovir Impurity 10                    | VS-F001020 | N/A         |
| 9779 | Famciclovir Impurity 11                    | VS-F001021 | N/A         |
| 9780 | Famciclovir Impurity 12                    | VS-F001022 | 122497-20-5 |
| 9781 | Famciclovir Impurity 13                    | VS-F001023 | N/A         |
| 9782 | Famciclovir Impurity 15                    | VS-F001024 | N/A         |
| 9783 | Famciclovir Impurity 16                    | VS-F001025 | N/A         |
| 9784 | Famotidine                                 | VS-F002000 | 76824-35-6  |
| 9785 | Famotidine EP Impurity A(2HCl salt)        | VS-F002001 | 88061-72-7  |
| 9786 | Famotidine EP Impurity B                   | VS-F002002 | 89268-62-2  |
| 9787 | Famotidine EP Impurity C                   | VS-F002003 | 76824-17-4  |
| 9788 | Famotidine EP Impurity D                   | VS-F002004 | 76824-16-3  |
| 9789 | Famotidine EP Impurity E                   | VS-F002005 | 129083-44-9 |
| 9790 | Famotidine EP Impurity F                   | VS-F002006 | 107880-74-0 |
| 9791 | Famotidine EP Impurity G                   | VS-F002007 | 76823-97-7  |
| 9792 | Famotidine EP Impurity H (2HCl)            | VS-F002008 | 88046-01-9  |
| 9793 | Famotidine EP Impurity I                   | VS-F002009 | N/A         |
| 9794 | Famotidine EP Impurity J                   | VS-F002010 | 76824-14-1  |
| 9795 | Famotidine Sulfoxide                       | VS-F002011 | 90237-03-9  |
| 9796 | Famotidine Impurity HCl                    | VS-F002012 | 100599-91-5 |
| 9797 | Famotidine Methoxy Impurity                | VS-F002013 | 76823-94-4  |
| 9798 | Famotidine Cyanoethyl Impurity             | VS-F002014 | 76823-93-3  |

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| 9799 | Famotidine Chloromethyl Impurity                 | VS-F002015 | 81152-53-6   |
| 9800 | Famotidine Adduct Impurity                       | VS-F002016 | 1994267-84-3 |
| 9801 | N-Sulfamyl-3- chloropropionamidine hydrochloride | VS-F002017 | 106649-95-0  |
| 9802 | Famotidine - ETOH Impurity                       | VS-F002018 | 2575516-74-2 |
| 9803 | Famotidine - ETOH Impurity (Maleate salt)        | VS-F002019 | 2575516-75-3 |
| 9804 | Famotidine Impurity 1                            | VS-F002020 | 154754-59-3  |
| 9805 | Famotidine Impurity 2                            | VS-F002021 | 95907-34-9   |
| 9806 | Famotidine Impurity I                            | VS-F002022 | 1020719-36-1 |
| 9807 | Famotidine EP Impurity C (Freebase)              | VS-F002023 | 106433-44-7  |
| 9808 | Famotidine Impurity A HCl                        | VS-F002024 | 76833-47-1   |
| 9809 | Famotidine Sulfamide                             | VS-F002025 | 7803-58-9    |
| 9810 | Famotidine EP Impurity A                         | VS-F002026 | 124646-10-2  |
| 9811 | N-Nitroso Famotidine                             | VS-F002027 | NA           |
| 9812 | Famotidine Sulfinyl imine                        | VS-F002028 | NA           |
| 9813 | Famotidine EP Impurity H                         | VS-F002029 | 106649-96-1  |
| 9814 | Famotidine Impurity 3                            | VS-F002030 | 105827-91-6  |
| 9815 | Famotidine Impurity 4                            | VS-F002031 | NA           |
| 9816 | Famotidine EP Impurity B (Dimaleate salt)        | VS-F002032 | 109467-08-5  |
| 9817 | Fampridine                                       | VS-F003000 | 504-24-5     |
| 9818 | N-(4-Pyridyl)-2-Hydroxybutyramide                | VS-F003001 | 1864897-67-5 |
| 9819 | 4-Amino-3-hydroxypyridine                        | VS-F003002 | 52334-53-9   |
| 9820 | 1,2-Bis(4-pyridyl)hydrazine                      | VS-F003003 | 19808-51-6   |
| 9821 | Faropenem                                        | VS-F004000 | 106560-14-9  |
| 9822 | Faropenem Sodium Salt                            | VS-F004001 | 122547-49-3  |
| 9823 | Faropenem Potassium Salt                         | VS-F004002 | 106559-89-1  |
| 9824 | Faropenem Epimer Impurity                        | VS-F004003 | 106560-13-8  |
| 9825 | Faropenem Epimer Impurity Sodium Salt            | VS-F004004 | 195716-77-9  |
| 9826 | Faropenem Epimer Impurity Potassium Salt         | VS-F004005 | 106559-90-4  |
| 9827 | Faropenem Impurity 1                             | VS-F004006 | 613670-77-2  |
| 9828 | Faropenem Impurity 2                             | VS-F004007 | 1423031-12-2 |
| 9829 | Favipiravir                                      | VS-F005000 | 259793-96-9  |
| 9830 | Favipiravir Acid Impurity                        | VS-F005001 | 1079990-21-8 |
| 9831 | Favipiravir Chloro Homolog Impurity              | VS-F005002 | 259793-90-3  |
| 9832 | Favipiravir Impurity 1                           | VS-F005003 | N/A          |
| 9833 | Favipiravir Impurity 2                           | VS-F005004 | 33870-92-7   |
| 9834 | Favipiravir Impurity 3                           | VS-F005005 | N/A          |
| 9835 | Favipiravir Impurity 4                           | VS-F005006 | N/A          |
| 9836 | Favipiravir Impurity 5                           | VS-F005007 | N/A          |
| 9837 | Favipiravir Impurity 6                           | VS-F005008 | 356783-29-4  |
| 9838 | Favipiravir Impurity 7                           | VS-F005009 | N/A          |
| 9839 | Favipiravir Impurity 8                           | VS-F005010 | N/A          |
| 9840 | Favipiravir Impurity 9                           | VS-F005011 | 356783-16-9  |
| 9841 | Favipiravir Impurity 10                          | VS-F005012 | 356783-28-3  |
| 9842 | Favipiravir Impurity 11                          | VS-F005013 | N/A          |
| 9843 | Favipiravir Impurity 12                          | VS-F005014 | N/A          |
| 9844 | Favipiravir Impurity 13                          | VS-F005015 | N/A          |
| 9845 | Favipiravir Impurity 14                          | VS-F005016 | N/A          |

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| 9846 | Favipiravir Impurity 15                                                                            | VS-F005017 | N/A          |
| 9847 | Favipiravir Impurity 16                                                                            | VS-F005018 | 259793-88-9  |
| 9848 | Favipiravir Impurity 17                                                                            | VS-F005019 | 356783-31-8  |
| 9849 | Favipiravir Impurity 18                                                                            | VS-F005020 | 55321-99-8   |
| 9850 | Favipiravir Impurity 19                                                                            | VS-F005021 | 6863-74-7    |
| 9851 | Favipiravir Impurity 20                                                                            | VS-F005022 | 356783-49-8  |
| 9852 | Favipiravir Impurity 21                                                                            | VS-F005023 | 1207609-52-6 |
| 9853 | Favipiravir Impurity 22                                                                            | VS-F005024 | N/A          |
| 9854 | Favipiravir Impurity 23                                                                            | VS-F005025 | N/A          |
| 9855 | Febuxostat                                                                                         | VS-F006000 | 144060-53-7  |
| 9856 | Febuxostat 4-Hydroxy Acid Impurity                                                                 | VS-F006001 | 407582-48-3  |
| 9857 | Febuxostat 4-Hydroxy Ethyl Ester                                                                   | VS-F006002 | 161798-02-3  |
| 9858 | Febuxostat Acyl-B-D-Glucuronide                                                                    | VS-F006003 | N/A          |
| 9859 | Febuxostat Amide Impurity                                                                          | VS-F006004 | 1239233-86-3 |
| 9860 | Febuxostat Bromo Impurity                                                                          | VS-F006005 | 144060-40-2  |
| 9861 | Febuxostat Butyl Ether Analog                                                                      | VS-F006006 | 1657014-33-9 |
| 9862 | Febuxostat Descarboxy Impurity                                                                     | VS-F006007 | 1335202-60-2 |
| 9863 | Febuxostat Descyano Ethyl Ester                                                                    | VS-F006008 | 144060-97-9  |
| 9864 | Febuxostat Descyano Hydroxy Ethyl Ester                                                            | VS-F006009 | 161797-99-5  |
| 9865 | Febuxostat Descyano Hydroxy Impurity                                                               | VS-F006010 | 886501-78-6  |
| 9866 | Febuxostat Descyano Impurity                                                                       | VS-F006011 | 1206550-99-3 |
| 9867 | Febuxostat Dicarboxylic Acid Impurity                                                              | VS-F006012 | 1239233-87-4 |
| 9868 | Febuxostat Dimethylthiazole Ethyl Ester Impurity                                                   | VS-F006013 | 7210-77-7    |
| 9869 | Febuxostat Dithiazole Acid Impurity                                                                | VS-F006014 | 1330632-48-8 |
| 9870 | Febuxostat Ethyl Ester                                                                             | VS-F006015 | 160844-75-7  |
| 9871 | Febuxostat Isopropyl Ester                                                                         | VS-F006016 | 1346238-10-5 |
| 9872 | Febuxostat Isopropyl Ether Analog                                                                  | VS-F006017 | 144060-52-6  |
| 9873 | Febuxostat Methyl Ester                                                                            | VS-F006018 | 923942-34-1  |
| 9874 | Febuxostat n-Propyl Ether Acid Impurity                                                            | VS-F006019 | 1530308-87-2 |
| 9875 | Febuxostat sec-Butyl Ether Acid Impurity                                                           | VS-F006020 | 1335202-59-9 |
| 9876 | Febuxostat t-Butyl Ether Acid Impurity                                                             | VS-F006021 | 2418591-43-0 |
| 9877 | Febuxostat Impurity (4-Isobutoxy benzene-1,3-bis(carbothio amide))                                 | VS-F006022 | 1330632-46-6 |
| 9878 | Febuxostat Impurity (Dimethyl 2,2'-(4-isobutoxy-1,3-phenylene)bis(4-methylthiazole-5-carboxylate)) | VS-F006023 | 1330632-47-7 |
| 9879 | Febuxostat Butyl Ester Impurity                                                                    | VS-F006024 | 1619982-02-3 |
| 9880 | Febuxostat Impurity V                                                                              | VS-F006025 | N/A          |
| 9881 | Febuxostat Diformyl Impurity                                                                       | VS-F006026 | 2073891-59-3 |
| 9882 | Oxime Febuxostat Acid Impurity                                                                     | VS-F006027 | N/A          |
| 9883 | Ethyl 2,2-dichloro-3-oxobutanoate                                                                  | VS-F006028 | 6134-66-3    |
| 9884 | 3-Hydroxybenzothioamide                                                                            | VS-F006029 | 104317-54-6  |
| 9885 | 2-Hydroxybenzothioamide                                                                            | VS-F006030 | 7133-90-6    |
| 9886 | Isopropylloxycarbonyl Febuxostat                                                                   | VS-F006031 | N/A          |
| 9887 | Febuxostat Ethyl Ester Amide Impurity                                                              | VS-F006032 | 1346238-15-0 |
| 9888 | Febuxostat Isobutyl Ester Impurity                                                                 | VS-F006033 | N/A          |
| 9889 | Febuxostat Impurity 1                                                                              | VS-F006034 | 161798-01-2  |
| 9890 | Febuxostat Impurity 2                                                                              | VS-F006035 | 161798-03-4  |
| 9891 | Febuxostat Impurity 6                                                                              | VS-F006036 | 1271738-74-9 |

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| 9892 | Febuxostat Impurity 7        | VS-F006037 | N/A          |
| 9893 | Febuxostat Impurity 8        | VS-F006038 | 144060-62-8  |
| 9894 | Febuxostat Impurity 10       | VS-F006039 | N/A          |
| 9895 | Febuxostat Impurity 11       | VS-F006040 | 31643-49-9   |
| 9896 | Febuxostat Impurity 12       | VS-F006041 | N/A          |
| 9897 | Febuxostat Impurity 13       | VS-F006042 | N/A          |
| 9898 | Febuxostat Impurity 15       | VS-F006043 | N/A          |
| 9899 | Febuxostat Impurity 16       | VS-F006044 | N/A          |
| 9900 | Febuxostat Impurity 17       | VS-F006045 | N/A          |
| 9901 | Febuxostat Impurity 18       | VS-F006046 | N/A          |
| 9902 | Febuxostat Impurity 19       | VS-F006047 | 2375033-35-3 |
| 9903 | Febuxostat Impurity 20       | VS-F006048 | 163597-57-7  |
| 9904 | Febuxostat Impurity 21       | VS-F006049 | 1346238-12-7 |
| 9905 | Febuxostat Impurity 22       | VS-F006050 | N/A          |
| 9906 | Febuxostat Impurity 23       | VS-F006051 | N/A          |
| 9907 | Febuxostat Impurity 24       | VS-F006052 | N/A          |
| 9908 | Febuxostat Impurity 25       | VS-F006053 | 1643131-89-8 |
| 9909 | Febuxostat Impurity 26       | VS-F006054 | 2230270-05-8 |
| 9910 | Febuxostat Impurity 27       | VS-F006055 | N/A          |
| 9911 | Febuxostat Impurity 28       | VS-F006056 | 1350352-70-3 |
| 9912 | Febuxostat Impurity 29       | VS-F006057 | N/A          |
| 9913 | Febuxostat DEE Impurity      | VS-F006058 | 1643131-93-4 |
| 9914 | Felbamate                    | VS-F007000 | 25451-15-4   |
| 9915 | Felbamate Related Compound A | VS-F007001 | 25451-53-0   |
| 9916 | Felbamate Related Compound B | VS-F007002 | 6326-19-8    |
| 9917 | Fedratinib Impurity 1        | VS-F007003 | 50609-01-3   |
| 9918 | Fedratinib Impurity 2        | VS-F007004 | 936092-53-4  |
| 9919 | Fedratinib Impurity 3        | VS-F007005 | 936091-39-3  |
| 9920 | Felodipine                   | VS-F008000 | 72509-76-3   |
| 9921 | Felodipine EP Impurity A     | VS-F008001 | 96382-71-7   |
| 9922 | Felodipine EP Impurity B     | VS-F008002 | 91189-59-2   |
| 9923 | Felodipine EP Impurity C     | VS-F008003 | 79925-38-5   |
| 9924 | Felodipine Impurity 1        | VS-F008004 | 74073-22-6   |
| 9925 | Felodipine Impurity 2        | VS-F008005 | 68064-70-0   |
| 9926 | N-Nitroso-Felodipine         | VS-F008006 | NA           |
| 9927 | Fenofibrate                  | VS-F009000 | 49562-28-9   |
| 9928 | Fenofibrate EP Impurity A    | VS-F009001 | 42019-78-3   |
| 9929 | Fenofibrate EP Impurity B    | VS-F009002 | 42017-89-0   |
| 9930 | Fenofibrate EP Impurity C    | VS-F009003 | 217636-47-0  |
| 9931 | Fenofibrate Impurity C       | VS-F009004 | 62810-32-6   |
| 9932 | Fenofibrate EP Impurity D    | VS-F009005 | 42019-07-8   |
| 9933 | Fenofibrate EP Impurity E    | VS-F009006 | 42019-08-9   |
| 9934 | Fenofibrate EP Impurity F    | VS-F009007 | 154356-96-4  |
| 9935 | Fenofibrate EP Impurity G    | VS-F009008 | 217636-48-1  |
| 9936 | Choline Fenofibrate          | VS-F009009 | 856676-23-8  |
| 9937 | 3-Chlorobenzotrichloride     | VS-F009010 | 2136-81-4    |
| 9938 | Fenofibrate Impurity-II      | VS-F009011 | 1797121-54-0 |

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| 9939 | Fenofibrate Impurity 1             | VS-F009012 | 55270-71-8    |
| 9940 | Fenofibrate Impurity 2             | VS-F009013 | 61002-52-6    |
| 9941 | Fenofibrate Impurity 3             | VS-F009014 | 10547-60-1    |
| 9942 | Fenofibrate Impurity 4             | VS-F009015 | 2985-79-7     |
| 9943 | Fenofibrate Impurity 5             | VS-F009016 | 51368-55-9    |
| 9944 | Fenofibrate Impurity 6             | VS-F009017 | 61002-27-5    |
| 9945 | Fenoldopam Mesylate                | VS-F010001 | 67227-57-0    |
| 9946 | Fenoldopam USP Related Compound A  | VS-F010002 | N/A           |
| 9947 | Fenoldopam Impurity 1              | VS-F010003 | 901773-06-6   |
| 9948 | Fenoprofen Calcium                 | VS-F011001 | 53746-45-5    |
| 9949 | Fenoprofen Sodium Dihydrate        | VS-F011002 | 66424-46-2    |
| 9950 | Fenoprofen Impurity A              | VS-F011003 | 90-96-0       |
| 9951 | Fenoprofen Impurity B              | VS-F011004 | 25812-30-0    |
| 9952 | Fenoprofen Impurity C              | VS-F011005 | 32852-81-6    |
| 9953 | Fenoprofen Impurity D              | VS-F011006 | 3739-38-6     |
| 9954 | Fenoprofen Impurity 1              | VS-F011007 | 119141-88-7   |
| 9955 | Fenoterol Hydrobromide             | VS-F012001 | 12-03-44 0:00 |
| 9956 | Fenoterol EP Impurity A            | VS-F012002 | 107878-38-6   |
| 9957 | Fenoterol EP Impurity B            | VS-F012003 | 699525-61-6   |
| 9958 | Fenoterol EP Impurity C            | VS-F012004 | 2469196-22-1  |
| 9959 | Fenoterol Impurity A               | VS-F012005 | 391234-97-2   |
| 9960 | Fenoterol Hydro bromide Impurity B | VS-F012006 | 3371-33-3     |
| 9961 | Fenoterol Hydro bromide Impurity C | VS-F012007 | N/A           |
| 9962 | Fenoterol Impurity C               | VS-F012008 | N/A           |
| 9963 | Fenoterol D-Glucuronide            | VS-F012009 | 61046-78-4    |
| 9964 | Fenoterol                          | VS-F012010 | 13392-18-2    |
| 9965 | Fenspiride Hydrochloride           | VS-F013001 | 07-08-53      |
| 9966 | Fenspiride Impurity A              | VS-F013002 | 23808-42-6    |
| 9967 | Fenspiride Impurity B              | VS-F013003 | 210690-26-9   |
| 9968 | Fenspiride Impurity C              | VS-F013004 | 39742-60-4    |
| 9969 | Fenspiride Impurity 1              | VS-F013005 | N/A           |
| 9970 | Fentanyl                           | VS-F014000 | 437-38-7      |
| 9971 | Fentanyl EP Impurity A             | VS-F014001 | 1233011-07-8  |
| 9972 | Fentanyl EP Impurity B             | VS-F014002 | 1609-66-1     |
| 9973 | Fentanyl EP Impurity C             | VS-F014003 | 3258-84-2     |
| 9974 | Fentanyl EP Impurity D             | VS-F014004 | 21409-26-7    |
| 9975 | Fentanyl EP Impurity E             | VS-F014005 | 100-52-7      |
| 9976 | Fentanyl EP Impurity F             | VS-F014006 | 62-53-3       |
| 9977 | Fentanyl EP Impurity G             | VS-F014007 | 620-71-3      |
| 9978 | Fentanyl EP Impurity H             | VS-F014008 | N/A           |
| 9979 | Fentanyl EP Impurity I             | VS-F014009 | 23056-29-3    |
| 9980 | Fentanyl EP Impurity J             | VS-F014010 | 1155-56-2     |
| 9981 | Fentanyl EP Impurity K             | VS-F014011 | 1474-02-8     |
| 9982 | Fentanyl EP Impurity L             | VS-F014012 | 103-63-9      |
| 9983 | N-Nitroso Fentanyl Impurity 1      | VS-F014013 | NA            |
| 9984 | N-Nitroso Fentanyl Impurity 2      | VS-F014014 | NA            |
| 9985 | N-Nitroso Fentanyl Impurity 3      | VS-F014015 | NA            |

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|-------|----------------------------------------------------------------------------------------|------------|--------------|
| 9986  | N-Nitroso Fentanyl EP Impurity B                                                       | VS-F014016 | NA           |
| 9987  | N-Nitroso Fentanyl EP Impurity J                                                       | VS-F014017 | 1184873-13-9 |
| 9988  | N-Nitroso Fentanyl EP Impurity D                                                       | VS-F014018 | 1184873-14-0 |
| 9989  | Fenticonazole                                                                          | VS-F015000 | 72479-26-6   |
| 9990  | Fenticonazole Nitrate                                                                  | VS-F015001 | 73151-29-8   |
| 9991  | Fenticonazole Nitrate EP Impurity A                                                    | VS-F015002 | 24155-42-8   |
| 9992  | Fenticonazole Nitrate EP Impurity B                                                    | VS-F015003 | N/A          |
| 9993  | Fenticonazole Nitrate EP Impurity C                                                    | VS-F015004 | N/A          |
| 9994  | Fenticonazole Nitrate EP Impurity D                                                    | VS-F015005 | 1313397-05-5 |
| 9995  | Fenticonazole Nitrate EP Impurity E                                                    | VS-F015006 | N/A          |
| 9996  | Fenticonazole Hydrochloride EP Impurity D                                              | VS-F015007 | N/A          |
| 9997  | 4-phenyl thio benzyl chloride                                                          | VS-F015008 | 1208-87-3    |
| 9998  | Ferric Maltol                                                                          | VS-F016000 | 33725-54-1   |
| 9999  | Fesoterodine                                                                           | VS-F017000 | 286930-02-7  |
| 10000 | Fesoterodine Fumarate                                                                  | VS-F017001 | 286930-03-8  |
| 10001 | Fesoterodine Impurity A                                                                | VS-F017002 | 200801-70-3  |
| 10002 | Fesoterodine Impurity B                                                                | VS-F017003 | 1208313-13-6 |
| 10003 | Fesoterodine Impurity C                                                                | VS-F017004 | 895137-81-2  |
| 10004 | Fesoterodine Impurity D                                                                | VS-F017005 | 1262778-55-1 |
| 10005 | Fesoterodine Impurity E                                                                | VS-F017006 | 1333234-71-1 |
| 10006 | Fesoterodine Impurity G                                                                | VS-F017007 | N/A          |
| 10007 | Fesoterodine Impurity H                                                                | VS-F017008 | 250214-44-9  |
| 10008 | Fesoterodine Impurity P                                                                | VS-F017009 | 1380491-71-3 |
| 10009 | Fesoterodine Impurity N                                                                | VS-F017010 | N/A          |
| 10010 | Fesoterodine Impurity O HCl                                                            | VS-F017011 | N/A          |
| 10011 | Fesoterodine Impurity K                                                                | VS-F017012 | N/A          |
| 10012 | Fesoterodine Impurity L                                                                | VS-F017013 | N/A          |
| 10013 | Fesoterodine Impurity M                                                                | VS-F017014 | N/A          |
| 10014 | Monoester of Symmetrical Dimer                                                         | VS-F017015 | N/A          |
| 10015 | Fesoterodine Fumarate ester of diol                                                    | VS-F017016 | 1428856-47-6 |
| 10016 | Fesoterodine Acid Impurity                                                             | VS-F017017 | 194482-44-5  |
| 10017 | (S)-Fesoterodine Fumarate                                                              | VS-F017018 | 1431511-18-0 |
| 10018 | Symmetrical Dimer of Diol                                                              | VS-F017019 | N/A          |
| 10019 | Fesoterodine Aldehyde of Diol Fumarate                                                 | VS-F017020 | N/A          |
| 10020 | Fesoterodine N-Oxide                                                                   | VS-F017021 | N/A          |
| 10021 | Fesoterodine Impurity                                                                  | VS-F017022 | N/A          |
| 10022 | (R)-2-(3-(diisopropylamino)-1-phenylpropyl)-4-methylphenol 2,3 Dihydroxysuccinate salt | VS-F017023 | N/A          |
| 10023 | 2-((R)-3-(diisopropylamino)-1-phenylpropyl)-4-(hydroxymethyl)phenol Fumarate           | VS-F017024 | 380636-50-0  |
| 10024 | (R)-(4-(benzyloxy)-3-(3-(diisopropylamino)-1-phenylpropyl)phenyl)methanol              | VS-F017025 | 156755-37-2  |
| 10025 | Fesoterodine Dimer Diester                                                             | VS-F017026 | N/A          |
| 10026 | Fesoterodine symmetrical dimer of diol fumarate                                        | VS-F017027 | N/A          |
| 10027 | 3-(3-Aminopropyl) benzoic acid HCl                                                     | VS-F017028 | 1346604-68-9 |
| 10028 | Fesoterodine acid impurity HCl salt                                                    | VS-F017029 | 380636-47-5  |
| 10029 | Fesoterodine-O-benzyl acid impurity                                                    | VS-F017030 | 156755-33-8  |

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| 10030 | Fesoterodine Related Impurity 3         | VS-F017031 | N/A          |
| 10031 | Fesoterodine Related Impurity 4         | VS-F017032 | N/A          |
| 10032 | Fesoterodine Related Impurity 7 HCl     | VS-F017033 | N/A          |
| 10033 | Fesoterodine Related Impurity 9         | VS-F017034 | 1208313-16-9 |
| 10034 | Fesoterodine Related Impurity 10        | VS-F017035 | 1390644-37-7 |
| 10035 | Fesoterodine Related Impurity 11        | VS-F017036 | 480432-16-4  |
| 10036 | Fesoterodine Related Impurity 12        | VS-F017037 | N/A          |
| 10037 | Fesoterodine Related Impurity 13        | VS-F017038 | 1428856-55-6 |
| 10038 | Fesoterodine Impurity 13                | VS-F017039 | 1380491-70-2 |
| 10039 | Fesoterodine Impurity 14                | VS-F017040 | N/A          |
| 10040 | Fesoterodine Impurity 15                | VS-F017041 | N/A          |
| 10041 | Fesoteridone Aldehyde Impurity          | VS-F017042 | 1435768-96-9 |
| 10042 | Fesoterodine Fumarate Ester             | VS-F017043 | 1254942-29-4 |
| 10043 | Fesoterodine Aldehyde Impurity          | VS-F017044 | 214601-12-4  |
| 10044 | Fexofenadine                            | VS-F018000 | 83799-24-0   |
| 10045 | Fexofenadine Hydrochloride              | VS-F018001 | 153439-40-8  |
| 10046 | Fexofenadine EP Impurity A              | VS-F018002 | 76811-98-8   |
| 10047 | Fexofenadine EP Impurity B              | VS-F018003 | 479035-75-1  |
| 10048 | Fexofenadine EP Impurity C              | VS-F018004 | 185066-37-9  |
| 10049 | Fexofenadine EP Impurity D              | VS-F018005 | 154825-96-4  |
| 10050 | Fexofenadine EP Impurity E              | VS-F018006 | 115-46-8     |
| 10051 | Fexofenadine EP Impurity F              | VS-F018007 | 185066-33-5  |
| 10052 | Fexofenadine EP Impurity G              | VS-F018008 | 1187954-57-9 |
| 10053 | Fexofenadine Impurity L                 | VS-F018009 | N/A          |
| 10054 | Fexofenadine Cyclopropyl Ester Impurity | VS-F018010 | 880088-78-8  |
| 10055 | Fexofenadine N-Oxide                    | VS-F018011 | 1422515-52-3 |
| 10056 | Ethylester-m-Fexofenadine               | VS-F018012 | N/A          |
| 10057 | Fexofenadine Impurity 1                 | VS-F018013 | 154477-54-0  |
| 10058 | Fexofenadine Impurity 2                 | VS-F018014 | 862777-10-4  |
| 10059 | Fexofenadine Impurity 3                 | VS-F018015 | 162096-54-0  |
| 10060 | Fexofenadine Impurity 4                 | VS-F018016 | 1187954-56-8 |
| 10061 | Fexofenadine Impurity 5                 | VS-F018017 | 174483-06-8  |
| 10062 | Fexofenadine Impurity 6                 | VS-F018018 | 832088-68-3  |
| 10063 | Fexofenadine Impurity 7                 | VS-F018019 | N/A          |
| 10064 | Fexofenadine Impurity 8                 | VS-F018020 | N/A          |
| 10065 | Fexofenadine Impurity 9                 | VS-F018021 | 192885-13-5  |
| 10066 | Fexofenadine Impurity 10                | VS-F018022 | 169280-26-6  |
| 10067 | Fexofenadine Impurity 11                | VS-F018023 | 6952-91-6    |
| 10068 | Fexofenadine Impurity 12                | VS-F018024 | 57625-74-8   |
| 10069 | Fexofenadine Impurity 13                | VS-F018025 | 88783-30-6   |
| 10070 | Fexofenadine Impurity 14                | VS-F018026 | 498-95-3     |
| 10071 | Fexofenadine Impurity 15                | VS-F018027 | N/A          |
| 10072 | Fexofenadine Impurity 16                | VS-F018028 | N/A          |
| 10073 | Fexofenadine EP Impurity A (HCl)        | VS-F018029 | 153439-43-1  |
| 10074 | Fexofenadine Impurity 18                | VS-F018030 | 394222-30-1  |
| 10075 | Fexofenadine Related Compound B         | VS-F018031 | N/A          |
| 10076 | Finasteride                             | VS-F019000 | 98319-26-7   |



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|-------|--------------------------------------------------|------------|--------------|
| 10077 | Finasteride EP Impurity A                        | VS-F019001 | 98319-24-5   |
| 10078 | Finasteride EP Impurity B                        | VS-F019002 | 103335-41-7  |
| 10079 | Finasteride EP Impurity C                        | VS-F019003 | 1800205-94-0 |
| 10080 | Finasteride Impurity D                           | VS-F019004 | 140375-22-0  |
| 10081 | Finasteride Impurity F                           | VS-F019005 | 104214-18-8  |
| 10082 | Finasteride Dehydro Carboxylic Acid              | VS-F019006 | 1180488-92-9 |
| 10083 | Finasteride Dehydro Carboxylic Acid Methyl Ester | VS-F019007 | 166896-62-4  |
| 10084 | Finasteride Dihydro Carboxylic Acid              | VS-F019008 | 103335-55-3  |
| 10085 | Finasteride Dihydro Carboxylic Acid Methyl Ester | VS-F019009 | 73671-92-8   |
| 10086 | 5 $\beta$ -Dihydro Finasteride                   | VS-F019010 | 172922-52-0  |
| 10087 | Finasteride Impurity 1                           | VS-F019011 | 92472-33-8   |
| 10088 | Finasteride Impurity 2                           | VS-F019012 | 104214-61-1  |
| 10089 | Fingolimod                                       | VS-F020000 | 162359-55-9  |
| 10090 | Fingolimod Hydrochloride                         | VS-F020001 | 162359-56-0  |
| 10091 | Fingolimod EP Impurity A                         | VS-F020002 | 1201794-93-5 |
| 10092 | Fingolimod EP Impurity B                         | VS-F020003 | 745767-97-9  |
| 10093 | Fingolimod Hydrochloride EP Impurity B           | VS-F020004 | 162361-44-6  |
| 10094 | Fingolimod EP Impurity C                         | VS-F020005 | 746594-44-5  |
| 10095 | Fingolimod EP Impurity D                         | VS-F020006 | 780729-32-0  |
| 10096 | Fingolimod EP Impurity E                         | VS-F020007 | 851039-25-3  |
| 10097 | Fingolimod EP Impurity F                         | VS-F020008 | 851039-24-2  |
| 10098 | Fingolimod EP Impurity G                         | VS-F020009 | 1807973-92-7 |
| 10099 | Fingolimod EP Impurity H                         | VS-F020010 | 162358-09-0  |
| 10100 | Fingolimod EP Impurity I                         | VS-F020011 | 249289-10-9  |
| 10101 | Fingolimod Impurity A HCl                        | VS-F020012 | 1343408-33-2 |
| 10102 | Fingolimod Impurity C                            | VS-F020013 | 296282-46-7  |
| 10103 | Fingolimod Hydrochloride Impurity D              | VS-F020014 | N/A          |
| 10104 | Fingolimod Deshydroxymethyl Impurity             | VS-F020015 | 168560-42-7  |
| 10105 | Fingolimod N,N-Dimethyl Impurity                 | VS-F020016 | 1404433-87-9 |
| 10106 | Fingolimod N-Methyl Impurity                     | VS-F020017 | 1404233-80-2 |
| 10107 | Fingolimod 4-Hydroxy Impurity                    | VS-F020018 | 268557-51-3  |
| 10108 | Fingolimod Palmitate Amide                       | VS-F020019 | 1242271-26-6 |
| 10109 | Fingolimod Stearate Amide                        | VS-F020020 | 1242271-27-7 |
| 10110 | N-Ethyl Fingolimod                               | VS-F020021 | 1402793-28-5 |
| 10111 | Fingolimod Phosphate                             | VS-F020022 | 402615-91-2  |
| 10112 | Fingolimod Methyl Impurity                       | VS-F020023 | 162361-47-9  |
| 10113 | Octanophenone                                    | VS-F020024 | 1674-37-9    |
| 10114 | Fingolimod Dimer Acid                            | VS-F020025 | 2147726-86-9 |
| 10115 | Fingolimod Impurity 1                            | VS-F020026 | 899822-99-2  |
| 10116 | Fingolimod Impurity 2                            | VS-F020027 | 162358-96-5  |
| 10117 | Fingolimod Impurity 3                            | VS-F020028 | 767262-51-1  |
| 10118 | Fingolimod Impurity 5                            | VS-F020029 | 882691-14-7  |
| 10119 | Fingolimod Impurity 6                            | VS-F020030 | 162361-49-1  |
| 10120 | Fingolimod Impurity 7                            | VS-F020031 | 162358-62-5  |
| 10121 | Fingolimod Impurity 8                            | VS-F020032 | 162358-08-9  |
| 10122 | Fingolimod Impurity 10                           | VS-F020033 | 177259-52-8  |
| 10123 | Fingolimod Impurity 11                           | VS-F020034 | 268557-49-9  |

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|-------|----------------------------------------|------------|--------------|
| 10124 | Fingolimod Impurity 12                 | VS-F020035 | 162359-24-2  |
| 10125 | Fingolimod Impurity 13                 | VS-F020036 | N/A          |
| 10126 | Fingolimod Impurity 14                 | VS-F020037 | 2518048-10-5 |
| 10127 | Fingolimod Impurity 15                 | VS-F020038 | 51326-38-6   |
| 10128 | Fingolimod Impurity 16                 | VS-F020039 | N/A          |
| 10129 | Fingolimod Impurity 17                 | VS-F020040 | N/A          |
| 10130 | Fingolimod Impurity 18                 | VS-F020041 | 162358-95-4  |
| 10131 | Fingolimod Impurity 19                 | VS-F020042 | 899822-98-1  |
| 10132 | Fingolimod Impurity 20                 | VS-F020043 | 374077-87-9  |
| 10133 | Fingolimod Impurity 21                 | VS-F020044 | 1404233-78-8 |
| 10134 | Fingolimod Impurity 22                 | VS-F020045 | 928165-59-7  |
| 10135 | Fingolimod Impurity 23                 | VS-F020046 | 2189-60-8    |
| 10136 | Fingolimod Impurity 24                 | VS-F020047 | 2306446-28-4 |
| 10137 | Fingolimod Impurity 26                 | VS-F020049 | 2518310-38-6 |
| 10138 | Fingolimod Impurity 27                 | VS-F020050 | 162358-07-8  |
| 10139 | Fingolimod Impurity 28                 | VS-F020051 | 162358-05-6  |
| 10140 | Fingolimod Impurity 29                 | VS-F020052 | 219307-07-0  |
| 10141 | Fingolimod Impurity 30                 | VS-F020053 | 46745-66-8   |
| 10142 | Fingolimod Impurity 31                 | VS-F020054 | 162358-06-7  |
| 10143 | Fingolimod Impurity 32                 | VS-F020055 | N/A          |
| 10144 | Fingolimod Nitro Impurity              | VS-F020056 | 374077-88-0  |
| 10145 | Nonyl Deoctyl Fingolimod Hydrochloride | VS-F020057 | 296282-40-1  |
| 10146 | Fingolimod Impurity 33                 | VS-F020058 | NA           |
| 10147 | Fingolimod Impurity 34                 | VS-F020059 | NA           |
| 10148 | Fingolimod Impurity 35                 | VS-F020060 | NA           |
| 10149 | Fingolimod Impurity 36                 | VS-F020061 | NA           |
| 10150 | Fingolimod Impurity 37                 | VS-F020062 | 899822-97-0  |
| 10151 | Fingolimod Impurity 38                 | VS-F020063 | NA           |
| 10152 | Fingolimod Impurity 39                 | VS-F020064 | 24993-87-1   |
| 10153 | Fingolimod EP Impurity A (HCl)         | VS-F020065 | 2414273-08-6 |
| 10154 | Ethyl Fingolimod Hydrochloride         | VS-F020066 | 162361-23-1  |
| 10155 | Fingolimod Impurity 40                 | VS-F020067 | NA           |
| 10156 | H-FGMRC01                              | VS-F020068 | 177260-59-2  |
| 10157 | H-FGMRC04                              | VS-F020069 | 2517974-32-0 |
| 10158 | Firocoxib                              | VS-F021000 | 189954-96-9  |
| 10159 | Descyclopropylmethyl Firocoxib         | VS-F021001 | 189955-89-3  |
| 10160 | Firocoxib Sulfoxide                    | VS-F021002 | N/A          |
| 10161 | Firocoxib Cyclobutane Derivative       | VS-F021003 | 189955-22-4  |
| 10162 | Firocoxib Butane Derivative            | VS-F021004 | N/A          |
| 10163 | Firocoxib Butene Derivative            | VS-F021005 | N/A          |
| 10164 | Flavoxate Hydrochloride                | VS-F022000 | 3717-88-2    |
| 10165 | Flavoxate Hydrochloride EP Impurity A  | VS-F022001 | 07-01-68     |
| 10166 | Flavoxate Hydrochloride EP Impurity B  | VS-F022002 | 35888-94-9   |
| 10167 | Flavoxate Hydrochloride EP Impurity C  | VS-F022003 | 1286165-14-7 |
| 10168 | Flavoxate Related Compound B           | VS-F022004 | 90101-87-4   |
| 10169 | Flavoxate Impurity 1                   | VS-F022005 | 91830-42-1   |
| 10170 | Flecainide Acetate                     | VS-F023000 | 54143-56-5   |

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|-------|--------------------------------------------|------------|--------------|
| 10171 | Flecainide EP Impurity A                   | VS-F023001 | N/A          |
| 10172 | Flecainide EP Impurity B                   | VS-F023002 | 22990-77-8   |
| 10173 | Flecainide EP Impurity C                   | VS-F023003 | 152171-74-9  |
| 10174 | Flecainide EP Impurity D                   | VS-F023004 | 35480-52-5   |
| 10175 | Flecainide EP Impurity E                   | VS-F023005 | 57415-36-8   |
| 10176 | Flecainide Impurity F                      | VS-F023006 | N/A          |
| 10177 | N-Nitroso Flecainide EP Impurity B         | VS-F023007 | N/A          |
| 10178 | 2,3-Bis(2,2,2-trifluoroethoxy)benzoic Acid | VS-F023008 | 35480-50-3   |
| 10179 | 3,4-Bis(2,2,2-trifluoroethoxy)benzoic Acid | VS-F023009 | 35480-54-7   |
| 10180 | Flibanserin                                | VS-F024000 | 167933-07-5  |
| 10181 | Flibanserin Impurity A                     | VS-F024001 | 2308544-63-8 |
| 10182 | Flibanserin Impurity B                     | VS-F024002 | N/A          |
| 10183 | Flibanserin Impurity C                     | VS-F024003 | 231632-18-1  |
| 10184 | Flibanserin Impurity D                     | VS-F024004 | 03-10-29     |
| 10185 | Flucloxacillin                             | VS-F025000 | 5250-39-5    |
| 10186 | Flucloxacillin Hydrate                     | VS-F025001 | 34214-51-2   |
| 10187 | Flucloxacillin Sodium Salt                 | VS-F025002 | 1847-24-1    |
| 10188 | Flucloxacillin EP Impurity A               | VS-F025003 | N/A          |
| 10189 | Flucloxacillin EP Impurity B               | VS-F025004 | 1276016-89-7 |
| 10190 | Flucloxacillin EP Impurity C               | VS-F025005 | 551-16-6     |
| 10191 | Flucloxacillin EP Impurity D               | VS-F025006 | 3919-74-2    |
| 10192 | Flucloxacillin EP Impurity E               | VS-F025007 | N/A          |
| 10193 | Flucloxacillin Impurity F                  | VS-F025008 | N/A          |
| 10194 | Flucloxacillin Impurity G                  | VS-F025009 | N/A          |
| 10195 | Flucloxacillin EP Impurity I               | VS-F025010 | N/A          |
| 10196 | Flucloxacillin EP Impurity J               | VS-F025011 | N/A          |
| 10197 | 5-Hydroxymethyl Flucloxacillin             | VS-F025012 | N/A          |
| 10198 | Flucloxacillin Open Ring Dimer Impurity    | VS-F025013 | N/A          |
| 10199 | Flucloxacillin Impurity 1                  | VS-F025014 | N/A          |
| 10200 | Flucloxacillin Impurity 2                  | VS-F025015 | N/A          |
| 10201 | Flucloxacillin Impurity 3                  | VS-F025016 | N/A          |
| 10202 | Flucloxacillin Impurity 4                  | VS-F025017 | N/A          |
| 10203 | Flucloxacillin Impurity 5                  | VS-F025018 | N/A          |
| 10204 | Flucloxacillin Impurity 6                  | VS-F025019 | 866150-92-7  |
| 10205 | Flucloxacillin Impurity 7                  | VS-F025020 | N/A          |
| 10206 | Flucloxacillin Impurity 8                  | VS-F025021 | N/A          |
| 10207 | Flucloxacillin Impurity 9                  | VS-F025022 | N/A          |
| 10208 | Flucloxacillin Impurity 10                 | VS-F025023 | N/A          |
| 10209 | Fluconazole                                | VS-F026000 | 86386-73-4   |
| 10210 | Fosfluconazole                             | VS-F026001 | 194798-83-9  |
| 10211 | Fluconazole EP Impurity A                  | VS-F026002 | 89429-59-4   |
| 10212 | Fluconazole EP Impurity B                  | VS-F026003 | 871550-15-1  |
| 10213 | Fluconazole EP Impurity C                  | VS-F026004 | 514222-44-7  |
| 10214 | Fluconazole EP Impurity D                  | VS-F026005 | 81886-51-3   |
| 10215 | Fluconazole EP Impurity E                  | VS-F026006 | 86404-63-9   |
| 10216 | Fluconazole EP Impurity F                  | VS-F026007 | 118689-07-9  |
| 10217 | Fluconazole EP Impurity G                  | VS-F026008 | 86386-77-8   |

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| 10218 | Fluconazole EP Impurity H                                             | VS-F026009 | 150194-52-8   |
| 10219 | Fluconazole EP Impurity I                                             | VS-F026010 | 150168-54-0   |
| 10220 | Fosfluconazole Phosphate Impurity 1                                   | VS-F026011 | N/A           |
| 10221 | Fosfluconazole Phosphate Impurity 2                                   | VS-F026012 | N/A           |
| 10222 | Fosfluconazole Phosphate Impurity 3                                   | VS-F026013 | N/A           |
| 10223 | Fluconazole Impurity [1, 3-Bis(1H-1, 2, 4-Triazole-1-yl)propan-2-one] | VS-F026014 | 98414-56-3    |
| 10224 | Fluconazole N-Oxide                                                   | VS-F026015 | N/A           |
| 10225 | 1H-1, 2, 4 Triazole Sodium Salt                                       | VS-F026016 | 43177-42-0    |
| 10226 | Fluconazole Impurity 1                                                | VS-F026017 | 173837-65-5   |
| 10227 | Fluconazole Impurity 3                                                | VS-F026018 | 1609495-95-5  |
| 10228 | Fluconazole Impurity 5                                                | VS-F026019 | 154534-83-5   |
| 10229 | Fluconazole Impurity 6 (2-Chloro-2',4'-Difluoroacetophenone)          | VS-F026020 | 51336-94-8    |
| 10230 | Fluconazole Impurity 7 (Trimethylsulfoxonium Iodide)                  | VS-F026021 | 1774-47-6     |
| 10231 | Fluconazole Impurity 8                                                | VS-F026022 | N/A           |
| 10232 | Fluconazole Impurity 9                                                | VS-F026023 | N/A           |
| 10233 | Fluconazole Impurity 10                                               | VS-F026024 | 1174406-04-2  |
| 10234 | Fluconazole Impurity 11                                               | VS-F026025 | 206050-23-9   |
| 10235 | Fluconazole Impurity 12                                               | VS-F026026 | N/A           |
| 10236 | Fluconazole Impurity 13                                               | VS-F026027 | N/A           |
| 10237 | Fluconazole Impurity 14                                               | VS-F026028 | 163921-61-7   |
| 10238 | Fluconazole Impurity 15                                               | VS-F026029 | 163921-62-8   |
| 10239 | Fluconazole Impurity 16                                               | VS-F026030 | 288-88-0      |
| 10240 | Fluconazole Impurity 17                                               | VS-F026031 | 6086-21-1     |
| 10241 | Fluconazole Impurity 18                                               | VS-F026032 | 2084088-31-1  |
| 10242 | Fluconazole Impurity 19                                               | VS-F026033 | N/A           |
| 10243 | Fluconazole EP Impurity G                                             | VS-F026034 | 86386-76-7    |
| 10244 | Flucytosine                                                           | VS-F027000 | 2022-85-7     |
| 10245 | Flucytosine EP Impurity A                                             | VS-F027001 | 51-21-8       |
| 10246 | Flucytosine EP Impurity B                                             | VS-F027002 | 56177-80-1    |
| 10247 | Flucytosine Impurity 1                                                | VS-F027003 | 1801-06-5     |
| 10248 | Flucytosine Impurity 2                                                | VS-F027004 | 2927-71-1     |
| 10249 | Flucytosine Impurity 3                                                | VS-F027005 | 06-09-28 0:00 |
| 10250 | Flucytosine Impurity 4                                                | VS-F027006 | 1353100-75-0  |
| 10251 | Flucytosine Impurity 5                                                | VS-F027007 | 726207-85-8   |
| 10252 | Fludarabine Phosphate                                                 | VS-F028001 | 75607-67-9    |
| 10253 | Fludarabine Phosphate EP Impurity A                                   | VS-F028002 | 62314-92-5    |
| 10254 | Fludarabine Phosphate EP Impurity B                                   | VS-F028003 | 3373-53-3     |
| 10255 | Fludarabine Phosphate EP Impurity C                                   | VS-F028004 | 548774-53-4   |
| 10256 | Fludarabine Phosphate EP Impurity D                                   | VS-F028005 | 700-49-2      |
| 10257 | Fludarabine Phosphate EP Impurity E                                   | VS-F028006 | 21679-14-1    |
| 10258 | Fludarabine Phosphate EP Impurity F                                   | VS-F028007 | 159002-28-5   |
| 10259 | Fludarabine Phosphate EP Impurity G                                   | VS-F028008 | 548774-56-7   |
| 10260 | Fludarabine Phosphate EP Impurity H                                   | VS-F028009 | 548774-57-8   |
| 10261 | Fludarabine Phosphate EP Impurity I                                   | VS-F028010 | 7561-54-8     |
| 10262 | Fludarabine Phosphate EP Impurity J                                   | VS-F028011 | N/A           |
| 10263 | Fludrocortisone                                                       | VS-F029000 | 127-31-1      |
| 10264 | Flumazenil                                                            | VS-F030000 | 78755-81-4    |

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| 10265 | Flumazenil EP Impurity A                        | VS-F030001 | 84378-44-9   |
| 10266 | Flumazenil EP Impurity B                        | VS-F030002 | 131666-45-0  |
| 10267 | Flumazenil EP Impurity C                        | VS-F030003 | 1188-33-6    |
| 10268 | Flumazenil EP Impurity D                        | VS-F030004 | 78755-80-3   |
| 10269 | Flumazenil EP Impurity E                        | VS-F030005 | 78756-03-3   |
| 10270 | Flumazenil EP Impurity F                        | VS-F030006 | 78756-33-9   |
| 10271 | Flumazenil Carbonyl Chloride                    | VS-F030007 | 1420354-30-8 |
| 10272 | Defluoro Flumazenil Isothiocyanate              | VS-F030008 | 954107-48-3  |
| 10273 | Flumazenil EP Impurity A                        | VS-F030009 | 27469-60-9   |
| 10274 | Flumethasone                                    | VS-F031000 | 2135-17-3    |
| 10275 | Flumethasone Pivalate                           | VS-F031001 | 2002-29-1    |
| 10276 | Flunixin Meglunine                              | VS-F032000 | 42461-84-7   |
| 10277 | Flunixin EP Impurity A                          | VS-F032001 | 2942-59-8    |
| 10278 | Flunixin EP Impurity B                          | VS-F032002 | 54396-44-0   |
| 10279 | Flunixin EP Impurity C                          | VS-F032003 | 1452-94-4    |
| 10280 | Flunixin EP Impurity D                          | VS-F032004 | 54396-42-8   |
| 10281 | 5-Hydroxy Flunixin                              | VS-F032005 | 75369-61-8   |
| 10282 | Fluocinolone Acetonide                          | VS-F033000 | 67-73-2      |
| 10283 | Fluocinolone Acetonide EP Impurity A            | VS-F033001 | 106931-78-6  |
| 10284 | Fluocinolone Acetonide EP Impurity B            | VS-F033002 | 65751-34-0   |
| 10285 | Fluocinolone Acetonide EP Impurity C            | VS-F033003 | 807-38-5     |
| 10286 | Fluocinolone Acetonide EP Impurity D            | VS-F033004 | 13242-30-3   |
| 10287 | Fluocinolone Acetonide EP Impurity E            | VS-F033005 | 68352-03-4   |
| 10288 | Fluocinolone Acetonide EP Impurity F            | VS-F033006 | 1526-01-8    |
| 10289 | Fluocinolone Acetonide EP Impurity G            | VS-F033007 | 01-11-02     |
| 10290 | Fluocinolone Acetonide EP Impurity I            | VS-F033008 | N/A          |
| 10291 | Fluocinolone Acetonide EP Impurity J            | VS-F033009 | 1361531-95-4 |
| 10292 | Fluocinolone Acetonide EP Impurity K            | VS-F033010 | N/A          |
| 10293 | Fluocinolone Acetonide EP Impurity L            | VS-F033011 | 1893-65-8    |
| 10294 | Fluocinolone Acetonide Impurity 1               | VS-F033012 | 2022-55-1    |
| 10295 | Fluocinolone Acetonide Impurity 2               | VS-F033013 | 1181-32-4    |
| 10296 | Fluocinolone Acetonide Impurity 3               | VS-F033014 | 4306-83-6    |
| 10297 | Fluocinolone Acetonide Impurity 4               | VS-F033015 | 62013-83-6   |
| 10298 | Fluocinolone Acetonide Impurity 5               | VS-F033016 | 67438-37-3   |
| 10299 | Fluocinolone Acetonide Impurity 6               | VS-F033017 | 1361531-96-5 |
| 10300 | Fluocinolone Acetonide Impurity 7               | VS-F033018 | 62042-40-4   |
| 10301 | Fluocinolone Acetonide Diacetate                | VS-F033019 | 73327-17-0   |
| 10302 | Fluocinonide                                    | VS-F034000 | 356-12-7     |
| 10303 | 6-Beta Fluoro Fluocinonide                      | VS-F034001 | N/A          |
| 10304 | 6-Alfa-Fluoro Epoxide Acetonide acetate         | VS-F034002 | N/A          |
| 10305 | Flucinonide 22-Methyl Homologue                 | VS-F034003 | 51372-50-0   |
| 10306 | Fluocinonide Impurity 5 (delta-14-Fluocinonide) | VS-F034004 | NA           |
| 10307 | Fluocortolone Pivalate                          | VS-F035000 | 29205-06-9   |
| 10308 | Fluocortolone Pivalate EP Impurity A            | VS-F035001 | 152-97-6     |
| 10309 | Fluocortolone Pivalate EP Impurity B            | VS-F035002 | N/A          |
| 10310 | Fluocortolone Pivalate EP Impurity C            | VS-F035003 | 79884-56-3   |
| 10311 | Fluocortolone Pivalate EP Impurity D            | VS-F035004 | N/A          |

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| 10312 | Fluocortolone Pivalate EP Impurity E   | VS-F035005 | N/A          |
| 10313 | Fluocortolone Pivalate EP Impurity F   | VS-F035006 | N/A          |
| 10314 | Fluorometholone                        | VS-F036000 | 426-13-1     |
| 10315 | Fluorometholone 21-Hydroxy Analog      | VS-F036001 | 382-52-5     |
| 10316 | Fluorometholone USP Related Compound A | VS-F036002 | 6870-94-6    |
| 10317 | Fluorometholone Impurity B             | VS-F036003 | 378-36-9     |
| 10318 | Fluorometholone Impurity C             | VS-F036004 | 2122283-37-6 |
| 10319 | Fluorometholone Impurity F             | VS-F036005 | 2061-13-4    |
| 10320 | Desmethyl Fluorometholone              | VS-F036006 | 426-20-0     |
| 10321 | Bromomedradiene                        | VS-F036007 | N/A          |
| 10322 | Epoxy Metradiene                       | VS-F036008 | 83873-16-9   |
| 10323 | Fluorometholone D Homo Derivative      | VS-F036009 | N/A          |
| 10324 | Fluorometholone Impurity 1             | VS-F036010 | 2412488-81-2 |
| 10325 | Fluorometholone Impurity 2             | VS-F036011 | 2796-99-8    |
| 10326 | Fluorometholone Impurity 3             | VS-F036012 | N/A          |
| 10327 | Fluorometholone Impurity 4             | VS-F036013 | 110664-42-1  |
| 10328 | Fluorometholone Impurity 5             | VS-F036014 | 83873-16-9   |
| 10329 | Fluorouracil                           | VS-F037000 | 51-21-8      |
| 10330 | Fluorouracil EP Impurity A             | VS-F037001 | 67-52-7      |
| 10331 | Fluorouracil EP Impurity B             | VS-F037002 | 496-76-4     |
| 10332 | Fluorouracil EP Impurity C             | VS-F037003 | 66-22-8      |
| 10333 | Fluorouracil EP Impurity D             | VS-F037004 | 6623-81-0    |
| 10334 | Fluorouracil EP Impurity E             | VS-F037005 | 1820-81-1    |
| 10335 | Fluorouracil EP Impurity F             | VS-F037006 | 56177-80-1   |
| 10336 | Fluorouracil EP Impurity G             | VS-F037007 | 57-13-6      |
| 10337 | 4,6-Dihydroxy-5-methoxypyrimidine      | VS-F037008 | 5193-84-0    |
| 10338 | 5-Fluorodihydropyrimidine-2,4-dione    | VS-F037009 | 696-06-0     |
| 10339 | 6-Chlorouracil                         | VS-F037010 | 4270-27-3    |
| 10340 | 6-Chloro-1,3-dimethyluracil            | VS-F037011 | 6972-27-6    |
| 10341 | 6-Methyluracil                         | VS-F037012 | 626-48-2     |
| 10342 | Hydroxy Urea                           | VS-F037013 | 127-07-1     |
| 10343 | Fluoxetine HCl                         | VS-F038001 | 56296-78-7   |
| 10344 | Fluoxetine EP Impurity A               | VS-F038002 | 42142-52-9   |
| 10345 | Fluoxetine EP Impurity B               | VS-F038003 | 23580-89-4   |
| 10346 | Fluoxetine EP Impurity B (HCl)         | VS-F038004 | 30684-07-2   |
| 10347 | Fluoxetine EP Impurity C               | VS-F038005 | 79088-29-2   |
| 10348 | Fluoxetine EP Impurity C (Free Base)   | VS-F038006 | 56161-72-9   |
| 10349 | Fluoxetine USP Related Compound C      | VS-F038007 | 1026723-45-4 |
| 10350 | 4-(trifluoromethyl)phenol              | VS-F038008 | 402-45-9     |
| 10351 | N-formyl Fluoxetine                    | VS-F038009 | 199188-97-1  |
| 10352 | N-acetyl Fluoxetine                    | VS-F038010 | 202122-33-6  |
| 10353 | Fluoxetine Impurity 3                  | VS-F038011 | 5424-50-0    |
| 10354 | Fluoxetine Impurity 4                  | VS-F038012 | 885101-12-2  |
| 10355 | Fluoxetine Impurity 5                  | VS-F038013 | 18776-12-0   |
| 10356 | Fluoxetine Impurity 6                  | VS-F038014 | 83554-67-0   |
| 10357 | N-Nitroso-Fluoxetine                   | VS-F038015 | 150494-06-7  |
| 10358 | Fluoxymesterone                        | VS-F039001 | 76-43-7      |

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| 10359 | Flupentixol Dihydrochloride                 | VS-F040001 | 2413-38-9    |
| 10360 | Flupentixol EP Impurity A                   | VS-F040002 | 2340-57-0    |
| 10361 | Flupentixol EP Impurity B                   | VS-F040003 | 47346-96-3   |
| 10362 | Flupentixol EP Impurity C                   | VS-F040004 | N/A          |
| 10363 | Flupentixol EP Impurity D                   | VS-F040005 | 791521-96-5  |
| 10364 | Flupentixol EP Impurity E                   | VS-F040006 | 15057-73-5   |
| 10365 | Flupentixol EP Impurity F                   | VS-F040007 | 756419-50-8  |
| 10366 | Flupentixol EP Impurity G                   | VS-F040008 | 1693-28-3    |
| 10367 | cis-Flupenthixol                            | VS-F040009 | 53772-82-0   |
| 10368 | Trans-flupentixol Decanoate Dihydrochloride | VS-F040010 | 30909-52-5   |
| 10369 | Fluphenazine HCl                            | VS-F041001 | 146-56-5     |
| 10370 | Fluphenazine HCl EP Impurity A              | VS-F041002 | 1674-76-6    |
| 10371 | Fluphenazine HCl EP Impurity B              | VS-F041003 | 1476-79-5    |
| 10372 | Fluphenazine HCl EP Impurity C              | VS-F041004 | 2518011-27-1 |
| 10373 | Fluphenazine HCl EP Impurity D              | VS-F041005 | 2376-89-8    |
| 10374 | Fluphenazine HCl EP Impurity E              | VS-F041006 | 58-39-9      |
| 10375 | Fluphenazine HCl EP Impurity F              | VS-F041007 | N/A          |
| 10376 | 7-Hydroxy Fluphenazine                      | VS-F041008 | 33098-48-5   |
| 10377 | Fluphenazine mono N'-oxide                  | VS-F041009 | 30897-25-7   |
| 10378 | Fluphenazine di N'-oxide                    | VS-F041010 | 76005-60-2   |
| 10379 | Fluphenazine DCO decanoate                  | VS-F041011 | N/A          |
| 10380 | Fluphenazine Impurity 1                     | VS-F041012 | 38483-89-5   |
| 10381 | Fluphenazine Impurity 2                     | VS-F041013 | 756876-00-3  |
| 10382 | Fluphenazine Impurity 3                     | VS-F041014 | N/A          |
| 10383 | Fluphenazine Impurity 4                     | VS-F041015 | N/A          |
| 10384 | Fluphenazine Impurity 5                     | VS-F041016 | 2285-19-0    |
| 10385 | Fluphenazine Impurity 6                     | VS-F041017 | 85137-32-2   |
| 10386 | Fluphenazine Impurity 7                     | VS-F041018 | 1675-46-3    |
| 10387 | Fluphenazine Impurity 8                     | VS-F041019 | 122-96-3     |
| 10388 | Fluphenazine Impurity 9                     | VS-F041020 | 939382-28-2  |
| 10389 | Fluphenazine Impurity 10                    | VS-F041021 | 1675-43-0    |
| 10390 | N-Nitroso Fluphenazine Impurity 3           | VS-F041022 | N/A          |
| 10391 | N-Nitroso Fluphenazine Impurity 4           | VS-F041023 | N/A          |
| 10392 | Fluphenazine                                | VS-F041024 | 69-23-8      |
| 10393 | Fluphenazine Decanoate                      | VS-F042000 | 5002-47-1    |
| 10394 | Fluphenazine Decanoate Dihydrochloride      | VS-F042001 | 2376-65-0    |
| 10395 | Fluphenazine Decanoate EP Impurity A        | VS-F042002 | 1674-76-6    |
| 10396 | Fluphenazine Decanoate EP Impurity B        | VS-F042003 | N/A          |
| 10397 | Fluphenazine Decanoate EP Impurity C        | VS-F042004 | 2746-81-8    |
| 10398 | Fluphenazine Decanoate EP Impurity D        | VS-F042005 | 97671-70-0   |
| 10399 | Fluphenazine Decanoate EP Impurity E        | VS-F042006 | N/A          |
| 10400 | Fluphenazine Decanoate EP Impurity F        | VS-F042007 | 13220-06-9   |
| 10401 | Fluphenazine Decanoate EP Impurity G        | VS-F042008 | 61555-18-8   |
| 10402 | Fluphenazine Decanoate Di-N-Oxide           | VS-F042009 | 76005-65-7   |
| 10403 | Fluphenazine Decanoate N-1-Oxide            | VS-F042010 | 76013-31-5   |
| 10404 | Fluphenazine Decanoate N-4-Oxide            | VS-F042011 | 76005-64-6   |
| 10405 | Fluphenazine Decanoate S-Oxide              | VS-F042012 | N/A          |

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| 10406 | Flupirtine                              | VS-F043000 | 56995-20-1   |
| 10407 | Flupirtine Maleate Impurity B           | VS-F043001 | N/A          |
| 10408 | Flupirtine Maleate Impurity C           | VS-F043002 | 27048-04-0   |
| 10409 | Flupirtine Dimer Impurity               | VS-F043003 | N/A          |
| 10410 | 2-Amino-6-(benzylamino)-3-nitropyridine | VS-F043004 | 21626-43-7   |
| 10411 | Flupirtine Impurity E                   | VS-F043005 | 1506942-35-3 |
| 10412 | Flupirtine Impurity I                   | VS-F043006 | 33400-49-6   |
| 10413 | Fluprednidene                           | VS-F044000 | 2193-87-5    |
| 10414 | Fluprednidene Acetate                   | VS-F044001 | 1255-35-2    |
| 10415 | Fluprednidene Acetate Dermene Impurity  | VS-F044002 | 1526-69-8    |
| 10416 | Fluprednidene Acetate Dermoxy Impurity  | VS-F044003 | 1524-34-1    |
| 10417 | Fluprednidene Acetate Impurity 1        | VS-F044004 | N/A          |
| 10418 | Flurandrenolide                         | VS-F045000 | 1524-88-5    |
| 10419 | Flurandrenolide Impurity 1              | VS-F045001 | N/A          |
| 10420 | Flurandrenolide Acetate                 | VS-F045002 | 01-11-02     |
| 10421 | Flurbiprofen                            | VS-F046000 | 5104-49-4    |
| 10422 | Flurbiprofen EP Impurity A              | VS-F046001 | 6341-72-6    |
| 10423 | Flurbiprofen EP Impurity B              | VS-F046002 | 1797883-74-9 |
| 10424 | Flurbiprofen EP Impurity C              | VS-F046003 | 61466-95-3   |
| 10425 | Flurbiprofen EP Impurity D              | VS-F046004 | 42771-79-9   |
| 10426 | Flurbiprofen EP Impurity E              | VS-F046005 | 137045-30-8  |
| 10427 | (S)-Flurbiprofen                        | VS-F046006 | 51543-39-6   |
| 10428 | Methyl Flurbiprofen                     | VS-F046007 | 66202-86-6   |
| 10429 | Flutamide                               | VS-F047000 | 13311-84-7   |
| 10430 | Flutamide EP Impurity A                 | VS-F047001 | 393-11-3     |
| 10431 | Flutamide EP Impurity B                 | VS-F047002 | 393-12-4     |
| 10432 | Flutamide EP Impurity C                 | VS-F047003 | 13312-12-4   |
| 10433 | Flutamide EP Impurity D                 | VS-F047004 | 98-16-8      |
| 10434 | Flutamide EP Impurity E                 | VS-F047005 | 1939-27-1    |
| 10435 | Flutamide EP Impurity F                 | VS-F047006 | 151262-93-0  |
| 10436 | Fluticasone                             | VS-F048000 | 90566-53-3   |
| 10437 | Fluticasone Propionate                  | VS-F048001 | 80474-14-2   |
| 10438 | Fluticasone Propionate EP Impurity A    | VS-F048002 | 65429-42-7   |
| 10439 | Fluticasone Propionate EP Impurity B    | VS-F048003 | 948566-12-9  |
| 10440 | Fluticasone Propionate EP Impurity C    | VS-F048004 | 80474-24-4   |
| 10441 | Fluticasone Propionate EP Impurity D    | VS-F048005 | 73205-13-7   |
| 10442 | Fluticasone Propionate EP Impurity E    | VS-F048006 | 105613-90-9  |
| 10443 | Fluticasone Propionate EP Impurity F    | VS-F048007 | 1219174-94-3 |
| 10444 | Fluticasone Propionate EP Impurity G    | VS-F048008 | 220589-37-7  |
| 10445 | Fluticasone Propionate EP Impurity H    | VS-F048009 | 201812-64-8  |
| 10446 | Fluticasone PropionateEP Impurity I     | VS-F048010 | 960071-64-1  |
| 10447 | Fluticasone EP Impurity J               | VS-F048011 | N/A          |
| 10448 | Fluticasone EP Impurity K               | VS-F048012 | N/A          |
| 10449 | Fluticasone USP RC B                    | VS-F048013 | 219719-95-6  |
| 10450 | Fluticasone USP RC J                    | VS-F048014 | 28416-82-2   |
| 10451 | Fluticasone Carbothioic Acid Impurity   | VS-F048015 | 80474-45-9   |
| 10452 | Fluticasone Impurity (Cyclic thioester) | VS-F048016 | N/A          |



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| 10453 | Fluticasone Impurity (17-Keto)                         | VS-F048017 | 25256-97-7   |
| 10454 | Fluticasone Impurity (17-alpha Propionate)             | VS-F048018 | N/A          |
| 10455 | Fluticasone Impurity (5-Iodo Methyl Propionate)        | VS-F048019 | 80474-67-5   |
| 10456 | Fluticasone Impurity (6-Desfluoro-6-Oxo Propionate)    | VS-F048020 | N/A          |
| 10457 | Fluticasone Propionate Dithioacid                      | VS-F048021 | N/A          |
| 10458 | Fluticasone Thioacid Impurity                          | VS-F048022 | N/A          |
| 10459 | Chloro Fluticasone Propionate                          | VS-F048023 | 80486-69-7   |
| 10460 | Fluticasone Furoate                                    | VS-F048024 | 397864-44-7  |
| 10461 | Fluticasone Furoate Disulphane Impurity                | VS-F048025 | N/A          |
| 10462 | Fluticasone Furoate Trisulphane Impurity               | VS-F048026 | N/A          |
| 10463 | Chloro Fluticasone Furoate                             | VS-F048027 | 1374153-88-4 |
| 10464 | 11-Oxo-Fluticasone Furoate                             | VS-F048028 | 397864-57-2  |
| 10465 | Fluticasone Furoate 1,2 dihydro Impurity               | VS-F048029 | 398454-98-3  |
| 10466 | Fluticasone Furoate 1,2 dihydro Sulfenic Acid Impurity | VS-F048030 | N/A          |
| 10467 | Fluticasone Furoate Sulfenic Acid Impurity             | VS-F048031 | 948566-11-8  |
| 10468 | Fluticasone Furoate Impurity 1                         | VS-F048032 | 948569-98-0  |
| 10469 | Fluticasone Furoate Impurity A                         | VS-F048033 | 397864-63-0  |
| 10470 | Fluticasone Furoate Impurity E                         | VS-F048034 | 398454-97-2  |
| 10471 | Fluticasone Furoate Impurity F                         | VS-F048035 | N/A          |
| 10472 | Fluticasone Furoate Impurity G                         | VS-F048036 | 785806-96-4  |
| 10473 | Fluticasone Furoate Impurity H                         | VS-F048037 | N/A          |
| 10474 | Fluticasone Furoate Impurity I                         | VS-F048038 | N/A          |
| 10475 | Fluticasone Furoate Impurity J                         | VS-F048039 | N/A          |
| 10476 | Fluticasone Furoate Impurity K                         | VS-F048040 | N/A          |
| 10477 | Fluticasone Furoate Impurity L                         | VS-F048041 | N/A          |
| 10478 | Fluticasone O-Fluoro Methyl Ester                      | VS-F048042 | 572880-17-2  |
| 10479 | Fluticasone Thioacid-17-furoate                        | VS-F048043 | 397864-40-3  |
| 10480 | S-Methyl Fluticasone Furoate                           | VS-F048044 | 397864-58-3  |
| 10481 | Desfluoro 6-alpha Hydroxy Fluticasone                  | VS-F048045 | N/A          |
| 10482 | Desfluoro 6-beta Hydroxy Fluticasone                   | VS-F048046 | 1059606-32-4 |
| 10483 | 6-beta Fluticasone                                     | VS-F048047 | N/A          |
| 10484 | Fluticasone Furoate 11-Keto Impurity                   | VS-F048048 | 397864-56-1  |
| 10485 | Fluticasone Impurity                                   | VS-F048049 | 1648562-63-3 |
| 10486 | Fluticasone Impurity 1                                 | VS-F048050 | 59860-80-9   |
| 10487 | Fluticasone Impurity 3                                 | VS-F048051 | 192191-51-8  |
| 10488 | Fluticasone Impurity 4                                 | VS-F048052 | 105638-31-1  |
| 10489 | Fluticasone Impurity 5                                 | VS-F048053 | N/A          |
| 10490 | Fluticasone Impurity 6                                 | VS-F048054 | N/A          |
| 10491 | Fluticasone Impurity 7                                 | VS-F048055 | 397864-41-4  |
| 10492 | Fluticasone Impurity 8                                 | VS-F048056 | 80473-92-3   |
| 10493 | Fluticasone Impurity 9                                 | VS-F048057 | N/A          |
| 10494 | Fluticasone Impurity 10                                | VS-F048058 | N/A          |
| 10495 | Fluticasone Impurity 11                                | VS-F048059 | N/A          |
| 10496 | Fluvastatin                                            | VS-F049000 | 93957-54-1   |
| 10497 | Fluvastatin Sodium                                     | VS-F049001 | 93957-55-2   |
| 10498 | Fluvastatin EP Impurity A                              | VS-F049002 | 791763-55-8  |
| 10499 | Fluvastatin EP Impurity A Sodium salt                  | VS-F049003 | 194934-99-1  |

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| 10500 | Fluvastatin EP Impurity B                       | VS-F049004 | 194934-96-8  |
| 10501 | Fluvastatin USP Related Compound B              | VS-F049005 | 129332-29-2  |
| 10502 | Fluvastatin EP Impurity C                       | VS-F049006 | 2451176-31-9 |
| 10503 | Fluvastatin Sodium EP Impurity C                | VS-F049007 | N/A          |
| 10504 | Fluvastatin EP Impurity D                       | VS-F049008 | 1160169-39-0 |
| 10505 | Fluvastatin Sodium EP Impurity D                | VS-F049009 | N/A          |
| 10506 | Fluvastatin EP Impurity E                       | VS-F049010 | 920275-10-1  |
| 10507 | Fluvastatin EP Impurity F                       | VS-F049011 | 2118370-50-4 |
| 10508 | Fluvastatin Sodium EP Impurity F                | VS-F049012 | 2118370-51-5 |
| 10509 | Fluvastatin EP Impurity G                       | VS-F049013 | 101125-34-2  |
| 10510 | Fluvastatin Anti Isomer                         | VS-F049014 | 93957-58-5   |
| 10511 | Fluvastatin lactone                             | VS-F049015 | N/A          |
| 10512 | Fluvastatin Methyl Ester                        | VS-F049016 | 786710-21-2  |
| 10513 | (3R,5S)-Fluvastatin Sodium Salt                 | VS-F049017 | 94061-80-0   |
| 10514 | (3S,5R)-Fluvastatin sodium salt                 | VS-F049018 | 94061-81-1   |
| 10515 | (3S,5S)-Fluvastatin Sodium Salt                 | VS-F049019 | 194935-01-8  |
| 10516 | Fluvastatin lactone (racemic mixture)           | VS-F049020 | N/A          |
| 10517 | Fluvastatin Z isomer tert-butyl Ester           | VS-F049021 | 760980-70-9  |
| 10518 | Fluvastatin lactone S-Isomer                    | VS-F049022 | N/A          |
| 10519 | Fluvastatin Impurity 1                          | VS-F049023 | 194935-00-7  |
| 10520 | Fluvastatin Impurity 2                          | VS-F049024 | 1656262-10-0 |
| 10521 | Fluvastatin Anti Isomer                         | VS-F049025 | 1025085-52-2 |
| 10522 | 3-Keto fluvastatin                              | VS-F049026 | 1331643-17-4 |
| 10523 | Fluvastatin Lactone                             | VS-F049027 | 94061-83-3   |
| 10524 | Fluvastatin 3-Hydroxy-4,6-diene Sodium Salt     | VS-F049028 | 1207963-21-0 |
| 10525 | Fluvoxamine Maleate                             | VS-F050001 | 61718-82-9   |
| 10526 | Fluvoxamine EP Impurity A                       | VS-F050002 | 1217216-82-4 |
| 10527 | Fluvoxamine Maleate EP Impurity A               | VS-F050003 | N/A          |
| 10528 | Fluvoxamine EP Impurity B                       | VS-F050004 | 89035-92-7   |
| 10529 | Fluvoxamine Maleate EP Impurity B Maleate       | VS-F050005 | 917096-37-8  |
| 10530 | Fluvoxamine Maleate EP Impurity C               | VS-F050006 | 259526-43-7  |
| 10531 | Fluvoxamine Maleate EP Impurity D               | VS-F050007 | 61718-80-7   |
| 10532 | Fluvoxamine EP Impurity E                       | VS-F050008 | 1217214-94-2 |
| 10533 | Fluvoxamine Maleate EP Impurity E               | VS-F050009 | N/A          |
| 10534 | Fluvoxamine EP Impurity F                       | VS-F050010 | N/A          |
| 10535 | Fluvoxamine Maleate EP Impurity G               | VS-F050011 | 192876-02-1  |
| 10536 | Fluvoxamine Maleate EP Impurity G Hydrochloride | VS-F050012 | 192876-06-5  |
| 10537 | Fluvoxamine Maleate EP Impurity I               | VS-F050013 | 88699-84-7   |
| 10538 | Fluvoxamine Maleate EP Impurity J               | VS-F050014 | N/A          |
| 10539 | Fluvoxamine Acid                                | VS-F050015 | 88699-91-6   |
| 10540 | Fluvoxamine Maleic Acid Monoamide Impurity      | VS-F050016 | N/A          |
| 10541 | Valerophenone                                   | VS-F050017 | 1009-14-9    |
| 10542 | Aminoethyl Desmethoxy Fluvoxamine Dimaleate     | VS-F050018 | N/A          |
| 10543 | Fluvoxamine acid N-Acetyl Impurity              | VS-F050019 | 88699-87-0   |
| 10544 | Fluvoxethanol                                   | VS-F050020 | 88699-85-8   |
| 10545 | Fluvoxamine Maleate Impurity 1                  | VS-F050021 | N/A          |
| 10546 | Fluvoxamine Impurity 2                          | VS-F050022 | N/A          |

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| 10547 | Fluvoxamine Impurity 3                 | VS-F050023 | N/A          |
| 10548 | Fluvoxamine                            | VS-F050024 | 54739-18-3   |
| 10549 | Folic Acid Hydrate                     | VS-F051001 | 1174277-30-5 |
| 10550 | Folic acid EP Impurity A               | VS-F051002 | 4271-30-1    |
| 10551 | Folic Acid EP Impurity B               | VS-F051003 | 1004-75-7    |
| 10552 | Folic Acid EP Impurity C               | VS-F051004 | 47707-78-8   |
| 10553 | Folic acid EP Impurity D               | VS-F051005 | N/A          |
| 10554 | Folic Acid EP Impurity E               | VS-F051006 | 1391068-26-0 |
| 10555 | Folic Acid EP Impurity F               | VS-F051007 | 1391194-56-1 |
| 10556 | Folic Acid EP Impurity G               | VS-F051008 | N/A          |
| 10557 | Folic Acid EP Impurity H               | VS-F051009 | 2366274-27-1 |
| 10558 | D-Folic Acid                           | VS-F051010 | 65165-91-5   |
| 10559 | DL-Folic Acid                          | VS-F051011 | 65165-92-6   |
| 10560 | L-Tetrahydrofolic Acid                 | VS-F051012 | 135-16-0     |
| 10561 | Folitixorin                            | VS-F051013 | 3432-99-3    |
| 10562 | (6R)-5,10-Diformyltetrahydrofolic Acid | VS-F051014 | N/A          |
| 10563 | Folic Acid Impurity 1                  | VS-F051015 | N/A          |
| 10564 | Folic Acid Impurity 2                  | VS-F051016 | N/A          |
| 10565 | Folic Acid Impurity 3                  | VS-F051017 | N/A          |
| 10566 | Folic Acid Impurity 4                  | VS-F051018 | N/A          |
| 10567 | Folic Acid Impurity 5                  | VS-F051019 | N/A          |
| 10568 | Folic Acid Impurity 7                  | VS-F051020 | N/A          |
| 10569 | Folic Acid Impurity 8                  | VS-F051021 | 2305206-68-0 |
| 10570 | Folic Acid Impurity 9                  | VS-F051022 | N/A          |
| 10571 | Folic Acid Impurity 10                 | VS-F051023 | N/A          |
| 10572 | Folic acid Impurity 11                 | VS-F051024 | 82778-08-3   |
| 10573 | Folic acid Impurity 12                 | VS-F051025 | N/A          |
| 10574 | Folic acid Impurity 13                 | VS-F051026 | N/A          |
| 10575 | Folic acid Impurity 14                 | VS-F051027 | N/A          |
| 10576 | Folic acid Impurity 15                 | VS-F051028 | N/A          |
| 10577 | Folic acid Impurity 16                 | VS-F051029 | 857398-03-9  |
| 10578 | Folic acid Impurity 17                 | VS-F051030 | 1215897-94-1 |
| 10579 | Folic acid Impurity 18                 | VS-F051031 | N/A          |
| 10580 | Folic acid Impurity 19                 | VS-F051032 | N/A          |
| 10581 | Folic acid Impurity 20                 | VS-F051033 | N/A          |
| 10582 | Folic Acid Impurity 21                 | VS-F051034 | N/A          |
| 10583 | 5-Formyltetrahydropteroic Acid         | VS-F051035 | 4349-43-3    |
| 10584 | Folinic Acid Calcium                   | VS-F052001 | 1492-18-8    |
| 10585 | Folinic Acid Impurity B                | VS-F052002 | 98814-60-9   |
| 10586 | Folinic Acid Impurity C                | VS-F052003 | 59-30-3      |
| 10587 | Folinic Acid Impurity D                | VS-F052004 | 134-05-4     |
| 10588 | Folinic Acid Impurity E                | VS-F052005 | 944737-05-7  |
| 10589 | Folinic Acid Impurity F                | VS-F052006 | 28459-40-7   |
| 10590 | Folinic Acid Impurity G                | VS-F052007 | 4033-27-6    |
| 10591 | Folinic Acid Impurity H                | VS-F052008 | 68538-85-2   |
| 10592 | 10-formyltetrahydrofolic acid          | VS-F052009 | N/A          |
| 10593 | 5,6,7,8-Tetrahydrofolic acid           | VS-F052010 | N/A          |

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| 10594 | Folinic Acid Impurity 1                                                     | VS-F052011 | 71963-69-4   |
| 10595 | Folinic Acid Impurity 2                                                     | VS-F052012 | N/A          |
| 10596 | Folinic Acid Impurity 3                                                     | VS-F052013 | N/A          |
| 10597 | Folinic Acid Impurity 4                                                     | VS-F052014 | N/A          |
| 10598 | Folinic Acid Impurity 5                                                     | VS-F052015 | 5959-18-2    |
| 10599 | Folinic Acid Impurity 6                                                     | VS-F052016 | 4349-43-3    |
| 10600 | Folinic Acid Impurity 7                                                     | VS-F052017 | 31690-11-6   |
| 10601 | Folinic Acid Impurity 8                                                     | VS-F052018 | 33157-07-2   |
| 10602 | Folinic Acid Impurity 9                                                     | VS-F052019 | N/A          |
| 10603 | Folinic Acid Impurity 10                                                    | VS-F052020 | N/A          |
| 10604 | Folinic Acid Impurity 11                                                    | VS-F052021 | N/A          |
| 10605 | Fomepizole                                                                  | VS-F053000 | 7554-65-6    |
| 10606 | Formoterol                                                                  | VS-F054000 | 128954-45-0  |
| 10607 | Formoterol EP Impurity A                                                    | VS-F054001 | 150513-24-9  |
| 10608 | Formoterol EP Impurity B (Fumarate)                                         | VS-F054002 | 1795137-04-0 |
| 10609 | Formoterol EP Impurity C                                                    | VS-F054003 | 1795135-61-3 |
| 10610 | Formoterol EP Impurity D                                                    | VS-F054004 | 1795133-96-8 |
| 10611 | Formoterol EP Impurity E                                                    | VS-F054005 | 1616967-26-0 |
| 10612 | Formoterol EP Impurity F                                                    | VS-F054006 | 1795129-59-7 |
| 10613 | Formoterol EP Impurity G                                                    | VS-F054007 | 64-13-1      |
| 10614 | Formoterol EP Impurity G HCl                                                | VS-F054008 | 3706-26-1    |
| 10615 | Formoterol Impurity H (Mixture of Diastereomers)                            | VS-F054009 | 2514947-17-0 |
| 10616 | Formoterol Fumarate Dihydrate EP Impurity I                                 | VS-F054010 | 532414-36-1  |
| 10617 | Formoterol Fumarate Dihydrate EP Impurity I (R,S-isomer) ((R,S)-Formoterol) | VS-F054011 | 67346-51-4   |
| 10618 | Formoterol Related Compound I                                               | VS-F054012 | N/A          |
| 10619 | Formoterol Impurity N                                                       | VS-F054013 | 43229-70-5   |
| 10620 | Formoterol Hemifumarate                                                     | VS-F054014 | N/A          |
| 10621 | Formoterol Sulfate                                                          | VS-F054015 | N/A          |
| 10622 | (S,S)-Formoterol                                                            | VS-F054016 | 67346-48-9   |
| 10623 | (R,R)-Formoterol                                                            | VS-F054017 | 67346-49-0   |
| 10624 | 5-Formyl-2-hydroxyformanilide                                               | VS-F054018 | N/A          |
| 10625 | Formoterol Amine                                                            | VS-F054019 | 43229-65-8   |
| 10626 | Formoterol Bromide                                                          | VS-F054020 | 43229-01-2   |
| 10627 | Arformoterol Tartrate                                                       | VS-F054021 | 200815-49-2  |
| 10628 | Arformoterol Impurity 1                                                     | VS-F054022 | N/A          |
| 10629 | Arformoterol Impurity 2                                                     | VS-F054023 | 876753-51-4  |
| 10630 | Arformoterol Impurity 3                                                     | VS-F054024 | N/A          |
| 10631 | Arformoterol Impurity 4                                                     | VS-F054025 | N/A          |
| 10632 | Arformoterol Impurity 5                                                     | VS-F054026 | N/A          |
| 10633 | Arformoterol tartrate (1S, 2R) Isomer                                       | VS-F054027 | 67346-50-3   |
| 10634 | Formoterol Deshydroxy Impurity                                              | VS-F054028 | 477552-93-5  |
| 10635 | Formoterol Fumarate Dihydrate - In house Impurity                           | VS-F054029 | 143687-23-4  |
| 10636 | Formoterol Fumarate Dihydrate                                               | VS-F054030 | N/A          |
| 10637 | O-Debenzyl Amino Impurity                                                   | VS-F054031 | N/A          |
| 10638 | Arformoterol Diformylated Amino Impurity                                    | VS-F054032 | N/A          |
| 10639 | Arformoterol O-Formyl N-Acetyl Amino Impurity                               | VS-F054033 | N/A          |

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| 10640 | Arformoterol Amino Dimer impurity                          | VS-F054034 | 112376-21-3  |
| 10641 | R(+) Diphenyl amine dimer impurity                         | VS-F054035 | 10024-74-5   |
| 10642 | Arformoterol Tartarate                                     | VS-F054036 | N/A          |
| 10643 | Formoterol Benzylic Glucuronide (mixture of diastereomers) | VS-F054037 | N/A          |
| 10644 | Formoterol Phenolic Glucuronide                            | VS-F054038 | 615551-59-2  |
| 10645 | Formoterol Ethyl Ether Impurity                            | VS-F054039 | N/A          |
| 10646 | Benzyl Glucuronide of Formoterol                           | VS-F054040 | N/A          |
| 10647 | Formoterol Impurity 1                                      | VS-F054041 | 49861-92-9   |
| 10648 | Formoterol Impurity 2                                      | VS-F054042 | 43229-69-2   |
| 10649 | Formoterol Impurity 3                                      | VS-F054043 | 143687-24-5  |
| 10650 | Formoterol Impurity 4                                      | VS-F054044 | 143687-25-6  |
| 10651 | Formoterol Impurity 5                                      | VS-F054045 | N/A          |
| 10652 | Formoterol Impurity 6                                      | VS-F054046 | 903563-43-9  |
| 10653 | Formoterol Impurity 7                                      | VS-F054047 | N/A          |
| 10654 | Formoterol Impurity 8                                      | VS-F054048 | N/A          |
| 10655 | Formoterol Impurity 9                                      | VS-F054049 | N/A          |
| 10656 | Formoterol Impurity 10                                     | VS-F054050 | N/A          |
| 10657 | Formoterol Impurity 11                                     | VS-F054051 | 73573-87-2   |
| 10658 | Formoterol Impurity 12                                     | VS-F054052 | N/A          |
| 10659 | Formoterol Impurity 13                                     | VS-F054053 | N/A          |
| 10660 | Formoterol EP Impurity B                                   | VS-F054054 | 1224588-66-2 |
| 10661 | N-Nitroso (S,S)-Formoterol                                 | VS-F054055 | N/A          |
| 10662 | Formoterol EP Impurity C (Fumarate)                        | VS-F054056 | 1795135-62-4 |
| 10663 | Formoterol EP Impurity D (Fumarate)                        | VS-F054057 | 1795133-97-9 |
| 10664 | Formoterol Impurity 14                                     | VS-F054058 | 477552-94-6  |
| 10665 | Formoterol Impurity 15                                     | VS-F054059 | N/A          |
| 10666 | Formoterol Nitroso Impurity (DiNitroso)                    | VS-F054060 | N/A          |
| 10667 | N-nitroso Formoterol                                       | VS-F054061 | N/A          |
| 10668 | Nitroso Arformoterol                                       | VS-F054062 | N/A          |
| 10669 | Fosamprenavir                                              | VS-F055000 | 226700-79-4  |
| 10670 | Fosamprenavir Pyrophosphate                                | VS-F055001 | 316123-24-7  |
| 10671 | Bis Fosamprenavir Triphosphate                             | VS-F055002 | N/A          |
| 10672 | Fosamprenavir Impurity 1                                   | VS-F055003 | N/A          |
| 10673 | Bis Fosamprenavir Oxazolone                                | VS-F055004 | N/A          |
| 10674 | Amprenavir Oxazolone                                       | VS-F055005 | N/A          |
| 10675 | Fosaprepitant                                              | VS-F056000 | 172673-20-0  |
| 10676 | Fosaprepitant Desfluoro Impurity                           | VS-F056001 | N/A          |
| 10677 | Fosaprepitant Dimeglumine                                  | VS-F056002 | 265121-04-8  |
| 10678 | Fosaprepitant Enantiomer                                   | VS-F056003 | N/A          |
| 10679 | Fosaprepitant Dimeglumine Impurity A                       | VS-F056004 | 170902-81-5  |
| 10680 | Fosaprepitant Dimeglumine Impurity B                       | VS-F056005 | 219821-37-1  |
| 10681 | Fosaprepitant Dimeglumine Impurity C                       | VS-F056006 | 170729-80-3  |
| 10682 | Fosaprepitant Dimeglumine Impurity D                       | VS-F056007 | N/A          |
| 10683 | Fosaprepitant Dimeglumine Impurity E                       | VS-F056008 | N/A          |
| 10684 | Fosaprepitant Dimeglumine Impurity F                       | VS-F056009 | 2035475-10-4 |
| 10685 | Dibenzyl Phosphate Impurity                                | VS-F056010 | 1623-08-1    |
| 10686 | Dibenzyl Ester Impurity                                    | VS-F056011 | 265121-01-5  |

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| 10687 | Fosaprepitant Morpholin Impurity         | VS-F056012 | 1242175-41-2 |
| 10688 | Fosaprepitant Benzyl Ester               | VS-F056013 | 889852-02-2  |
| 10689 | Fosaprepitant Impurity 1                 | VS-F056014 | 1185503-00-7 |
| 10690 | Fosaprepitant Impurity 2                 | VS-F056015 | N/A          |
| 10691 | Fosaprepitant Impurity 3                 | VS-F056016 | 1523569-90-5 |
| 10692 | Fosaprepitant Impurity 4                 | VS-F056017 | N/A          |
| 10693 | Fosaprepitant Impurity 5                 | VS-F056018 | N/A          |
| 10694 | Fosaprepitant Impurity 6                 | VS-F056019 | N/A          |
| 10695 | Fosaprepitant Impurity 7                 | VS-F056020 | 1523569-87-0 |
| 10696 | Fosaprepitant Impurity 8                 | VS-F056021 | N/A          |
| 10697 | 2-Fluoro CAH Impurity                    | VS-F056022 | N/A          |
| 10698 | 3-Fluoro CAH Impurity                    | VS-F056023 | N/A          |
| 10699 | Fosaprepitant Impurity 9                 | VS-F056024 | 2377328-01-1 |
| 10700 | Fosfomycin Calcium Hydrate               | VS-F057001 | 26469-67-0   |
| 10701 | Fosfomycin Tromethamine                  | VS-F057002 | 78964-85-9   |
| 10702 | Fosfomycin Trometamol EP Impurity A      | VS-F057003 | 84954-80-3   |
| 10703 | Fosfomycin Trometamol EP Impurity B      | VS-F057004 | 1262243-11-7 |
| 10704 | Fosfomycin Trometamol EP Impurity C      | VS-F057005 | 23001-39-0   |
| 10705 | Fosfomycin Trometamol EP Impurity D      | VS-F057006 | 1262243-12-8 |
| 10706 | Fosfomycin Open Ring Impurity A          | VS-F057007 | 1160525-87-0 |
| 10707 | Fosfomycin Methoxy Open Ring Impurity    | VS-F057008 | N/A          |
| 10708 | Fosfomycin Tromethamine Impurity         | VS-F057009 | N/A          |
| 10709 | Fosfomycin Glycolic Derivate             | VS-F057010 | N/A          |
| 10710 | Fosfomycin Sucrose Ether Disodium Salt   | VS-F057011 | N/A          |
| 10711 | Fosfomycin Disodium Salt                 | VS-F057012 | 26016-99-9   |
| 10712 | Fosfomycin                               | VS-F057013 | 23155-02-4   |
| 10713 | Fosinopril Sodium                        | VS-F058001 | 88889-14-9   |
| 10714 | Fosinopril EP Impurity A                 | VS-F058002 | 95399-71-6   |
| 10715 | Fosinopril EP Impurity B                 | VS-F058003 | 1910773-95-3 |
| 10716 | Fosinopril EP Impurity C                 | VS-F058004 | 474519-28-3  |
| 10717 | Fosinopril EP Impurity D                 | VS-F058005 | N/A          |
| 10718 | Fosinopril EP Impurity E                 | VS-F058006 | N/A          |
| 10719 | Fosinopril EP Impurity F                 | VS-F058007 | N/A          |
| 10720 | Fosinopril EP Impurity H                 | VS-F058008 | N/A          |
| 10721 | Fosinopril EP Impurity I                 | VS-F058009 | 123599-78-0  |
| 10722 | Fosinopril EP Impurity K                 | VS-F058010 | 83623-61-    |
| 10723 | Fosinopril EP Impurity N                 | VS-F058011 | N/A          |
| 10724 | Fosinopril USP Related Compound B        | VS-F058012 | N/A          |
| 10725 | Fosinopril USP Related Compound D        | VS-F058013 | 1356353-41-7 |
| 10726 | Fosinopril USP Related Compound E        | VS-F058014 | N/A          |
| 10727 | Fosinopril USP Related Compound F        | VS-F058015 | N/A          |
| 10728 | Trans-4-Cyclohexyl-L-Proline-Benzylester | VS-F058016 | 474382-57-5  |
| 10729 | Fosinopril Impurity 1                    | VS-F058017 | 149760-14-5  |
| 10730 | Fosinopril Impurity 2                    | VS-F058018 | N/A          |
| 10731 | Fosinopril Impurity 3                    | VS-F058019 | 1356932-15-4 |
| 10732 | Fosinopril Impurity G                    | VS-F058020 | 46348-61-2   |

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| 10733 | [R-(R*S*)][[2-Methyl-1-(1-oxopropoxy)propoxy]-(4-phenylbutyl)phosphinyl]acetic acid(-)-cinchonidine (1:1) salt | VS-F058021 | 137590-32-0  |
| 10734 | Fosnetupitant                                                                                                  | VS-F059000 | 1703748-89-3 |
| 10735 | Netupitant                                                                                                     | VS-F059001 | 290297-26-6  |
| 10736 | Netupitant Impurity 1                                                                                          | VS-F059002 | 289686-70-0  |
| 10737 | Netupitant Impurity 2                                                                                          | VS-F059003 | N/A          |
| 10738 | Fosphenytoin Sodium                                                                                            | VS-F060001 | 92134-98-0   |
| 10739 | N,N-Diphenylglycinamide                                                                                        | VS-F060002 | 107776-85-2  |
| 10740 | Doxenitoin                                                                                                     | VS-F060003 | 3254-93-1    |
| 10741 | Fosphenytoin Impurity D                                                                                        | VS-F060004 | 21616-46-6   |
| 10742 | Fosphenytoin Impurity E                                                                                        | VS-F060005 | 93360-08-8   |
| 10743 | Fosravuconazole                                                                                                | VS-F061000 | 351227-64-0  |
| 10744 | Fosravuconazole Dioxolane Impurity                                                                             | VS-F061001 | N/A          |
| 10745 | Fosravuconazole Amide Impurity                                                                                 | VS-F061002 | 942415-34-1  |
| 10746 | Fosravuconazole S,S-Isomer                                                                                     | VS-F061003 | N/A          |
| 10747 | Fostamatinib                                                                                                   | VS-F062000 | 901119-35-5  |
| 10748 | Frovatriptan                                                                                                   | VS-F063000 | 158747-02-5  |
| 10749 | Frovatriptan Succinate Impurity A                                                                              | VS-F063001 | 146993-12-6  |
| 10750 | D-Fructose                                                                                                     | VS-F064000 | 57-48-7      |
| 10751 | Fulvestrant                                                                                                    | VS-F065000 | 129453-61-8  |
| 10752 | Fulvestrant Impurity A                                                                                         | VS-F065001 | 407577-53-1  |
| 10753 | Fulvestrant Impurity B                                                                                         | VS-F065002 | 98008-06-1   |
| 10754 | Fulvestrant Impurity C                                                                                         | VS-F065003 | 2482852-42-4 |
| 10755 | Fulvestrant Impurity D                                                                                         | VS-F065004 | N/A          |
| 10756 | Fulvestrant Impurity E                                                                                         | VS-F065005 | 2170200-14-1 |
| 10757 | Fulvestrant Impurity F                                                                                         | VS-F065006 | N/A          |
| 10758 | Fulvestrant-3-Glucuronide                                                                                      | VS-F065007 | 261506-27-8  |
| 10759 | Fulvestrant-17-glucuronide                                                                                     | VS-F065008 | 261506-28-9  |
| 10760 | Fulvestrant-3-sulfate                                                                                          | VS-F065009 | 261506-26-7  |
| 10761 | 17-Keto Fulvestrant                                                                                            | VS-F065010 | 403656-89-3  |
| 10762 | Fulvestrant Side Chain Impurity                                                                                | VS-F065011 | 148757-89-5  |
| 10763 | Fulvestrant Chloro BANA                                                                                        | VS-F065012 | 2490287-82-4 |
| 10764 | Fulvestrant Intermediate-TBDMS Chain                                                                           | VS-F065013 | 149051-24-1  |
| 10765 | Pentafluoro Pentanethiol                                                                                       | VS-F065014 | 148757-88-4  |
| 10766 | Fulvestrant Bromo Analogue Impurity                                                                            | VS-F065015 | N/A          |
| 10767 | Fulvestrant-3-Glucuronide Sodium Salt                                                                          | VS-F065016 | 403656-85-9  |
| 10768 | Fulvestrant-17-glucuronide Sodium Salt                                                                         | VS-F065017 | 403656-86-0  |
| 10769 | Fulvestrant-3-sulfate Sodium Salt                                                                              | VS-F065018 | 403656-83-7  |
| 10770 | Pentafluoro Pentanethiol Sodium Salt                                                                           | VS-F065019 | 1393474-62-8 |
| 10771 | Fulvestrant Impurity 1                                                                                         | VS-F065020 | N/A          |
| 10772 | Fulvestrant Impurity 2                                                                                         | VS-F065021 | 1621885-80-0 |
| 10773 | Fulvestrant Impurity 3                                                                                         | VS-F065022 | 1621885-81-1 |
| 10774 | Fulvestrant Impurity 4                                                                                         | VS-F065023 | 1621885-82-2 |
| 10775 | Fulvestrant Impurity 5                                                                                         | VS-F065024 | N/A          |
| 10776 | Fulvestrant Impurity 6                                                                                         | VS-F065025 | 511545-93-0  |
| 10777 | Fulvestrant Impurity 6 Free base                                                                               | VS-F065026 | 741246-55-9  |
| 10778 | Fulvestrant Impurity 7                                                                                         | VS-F065027 | 148043-73-6  |

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| 10779 | Fulvestrant Impurity 7 Sodium salt | VS-F065028 | 2379806-45-6 |
| 10780 | Fulvestrant Impurity 8             | VS-F065029 | 252947-01-6  |
| 10781 | Fulvestrant Impurity 8 FV          | VS-F065030 | N/A          |
| 10782 | Fulvestrant Impurity 9             | VS-F065031 | 511545-94-1  |
| 10783 | Fulvestrant Impurity 10            | VS-F065032 | 1354395-98-4 |
| 10784 | Fulvestrant Impurity 11            | VS-F065033 | 1391053-14-7 |
| 10785 | Fulvestrant Impurity 12            | VS-F065034 | N/A          |
| 10786 | Fulvestrant Impurity 13            | VS-F065035 | 2490287-87-9 |
| 10787 | Fulvestrant Impurity 14            | VS-F065036 | 1428539-56-3 |
| 10788 | Fulvestrant Impurity 15            | VS-F065037 | N/A          |
| 10789 | Fulvestrant Impurity 16            | VS-F065038 | N/A          |
| 10790 | Fulvestrant Impurity 17            | VS-F065039 | 66263-02-3   |
| 10791 | Fulvestrant Impurity 18            | VS-F065040 | N/A          |
| 10792 | Fulvestrant Impurity 19            | VS-F065041 | 6728-21-8    |
| 10793 | Fulvestrant Impurity 20            | VS-F065042 | N/A          |
| 10794 | Fulvestrant Impurity 21            | VS-F065043 | 23433-07-0   |
| 10795 | Fulvestrant Impurity 22            | VS-F065044 | 875573-60-7  |
| 10796 | Fulvestrant Impurity 23            | VS-F065045 | 875573-63-0  |
| 10797 | Fulvestrant Impurity 24            | VS-F065046 | N/A          |
| 10798 | Furosemide                         | VS-F066000 | 54-31-9      |
| 10799 | Furosemide EP Impurity A           | VS-F066001 | 4818-59-1    |
| 10800 | Furosemide EP Impurity B           | VS-F066002 | 2736-23-4    |
| 10801 | Furosemide EP Impurity C           | VS-F066003 | 3086-91-7    |
| 10802 | Furosemide EP Impurity D           | VS-F066004 | 5046-19-5    |
| 10803 | Furosemide EP Impurity E           | VS-F066005 | 50-84-0      |
| 10804 | Furosemide EP Impurity F           | VS-F066006 | 4793-38-8    |
| 10805 | Furosemide Amide Impurity          | VS-F066007 | 4793-47-9    |
| 10806 | Furosemide Impurity 1              | VS-F066008 | N/A          |
| 10807 | Furosemide Impurity 2              | VS-F066009 | N/A          |
| 10808 | Furosemide Impurity 3              | VS-F066010 | N/A          |
| 10809 | N-Nitroso Furosemide               | VS-F066011 | 2708280-93-5 |
| 10810 | Fusidic Acid                       | VS-F067001 | 03-06-90     |
| 10811 | Sodium Fusidate EP Impurity A      | VS-F067002 | 80445-74-5   |
| 10812 | Fusidic Acid EP Impurity B         | VS-F067003 | N/A          |
| 10813 | Fusidic Acid EP Impurity C         | VS-F067004 | N/A          |
| 10814 | Fusidic Acid EP Impurity D         | VS-F067005 | N/A          |
| 10815 | Fusidic Acid EP Impurity E         | VS-F067006 | N/A          |
| 10816 | Fusidic Acid EP Impurity F         | VS-F067007 | 1415035-94-7 |
| 10817 | Fusidic Acid EP Impurity G         | VS-F067008 | 4680-37-9    |
| 10818 | Fusidic Acid EP Impurity H         | VS-F067009 | 16711-91-4   |
| 10819 | Fusidic Acid BP Impurity I         | VS-F067010 | 5951-83-7    |
| 10820 | Fusidic Acid BP Impurity J         | VS-F067011 | 13011-12-6   |
| 10821 | Fusidic Acid BP Impurity K         | VS-F067012 | 4701-54-6    |
| 10822 | Fusidic Acid BP Impurity L         | VS-F067013 | 74048-41-2   |
| 10823 | Fusidic Acid BP Impurity M         | VS-F067014 | 1013937-16-0 |
| 10824 | Fusidic Acid BP Impurity O         | VS-F067015 | 55601-53-1   |
| 10825 | Fusidic Acid 3,11-Diketo Impurity  | VS-F067016 | 3482-38-0    |



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| 10826 | Diethanolamine Fusidate              | VS-F067017 | 16391-75-6   |
| 10827 | Flunarizine EP Impurity A            | VS-F068001 | 27469-60-9   |
| 10828 | Flunarizine EP Impurity B (2HCl)     | VS-F068002 | 27064-96-6   |
| 10829 | Flunarizine HCl                      | VS-F068003 | 30484-77-6   |
| 10830 | Flunarizine EP Impurity B            | VS-F068004 | 39245-25-5   |
| 10831 | Flunarizine EP Impurity C            | VS-F068005 | 90830-31-2   |
| 10832 | Flunarizine EP Impurity D            | VS-F068006 | 693765-11-6  |
| 10833 | Flunarizine Impurity 1               | VS-F068007 | NA           |
| 10834 | Flunitrazepam EP Impurity A          | VS-F069001 | 894-76-8     |
| 10835 | Flunitrazepam EP Impurity B          | VS-F069002 | 2558-30-7    |
| 10836 | Flunitrazepam EP Impurity C          | VS-F069003 | 2512213-47-5 |
| 10837 | Flunitrazepam EP Impurity D          | VS-F069004 | 735-06-8     |
| 10838 | Fimasartan                           | VS-F070000 | 247257-48-3  |
| 10839 | Fimasartan Impurity 1                | VS-F070001 | 1315478-13-7 |
| 10840 | Fimasartan Impurity 2                | VS-F070002 | 1361024-52-3 |
| 10841 | Fimasartan Impurity 3                | VS-F070003 | 178554-19-3  |
| 10842 | Fimasartan Impurity 4                | VS-F070004 | NA           |
| 10843 | Flubendazole EP Impurity E           | VS-F070005 | 66939-00-2   |
| 10844 | Flubendazole EP Impurity F           | VS-F070006 | 132119-20-1  |
| 10845 | Flubendazole EP Impurity G           | VS-F070007 | N/A          |
| 10846 | Febantel                             | VS-F071000 | 58306-30-2   |
| 10847 | Febantel EP Impurity A               | VS-F071001 | 92088-58-9   |
| 10848 | Febantel EP Impurity B               | VS-F071002 | 92114-71-1   |
| 10849 | Febantel EP Impurity C               | VS-F071003 | 43210-67-9   |
| 10850 | Febantel Impurity 1                  | VS-F071004 | 63470-85-9   |
| 10851 | Fenbendazole                         | VS-F072000 | 54029-20-8   |
| 10852 | Fenbendazole Sulfoxide               | VS-F072001 | 53716-50-0   |
| 10853 | Fenfluramine Hydrochloride           | VS-F073000 | 404-82-0     |
| 10854 | Fenfluramine Impurity 1              | VS-F073001 | NA           |
| 10855 | Fenfluramine Impurity 2              | VS-F073002 | NA           |
| 10856 | Fenfluramine Impurity 3              | VS-F073003 | 621-45-4     |
| 10857 | Fenfluramine Impurity 4              | VS-F073004 | 21906-39-8   |
| 10858 | Fenpiverinium Bromide                | VS-F074000 | 125-60-0     |
| 10859 | Fenpiverinium bromide IHS Impurity A | VS-F074001 | 77-01-0      |
| 10860 | Finerenone                           | VS-F075000 | 1050477-31-0 |
| 10861 | Finerenone Impurity 1                | VS-F075001 | 84102-89-6   |
| 10862 | Finerenone Impurity 2                | VS-F075002 | 1261439-08-0 |
| 10863 | Finerenone Impurity 3                | VS-F075003 | 1261553-82-5 |
| 10864 | Finerenone Impurity 4                | VS-F075004 | 18368-64-4   |
| 10865 | Finerenone Impurity 5                | VS-F075005 | 23056-40-8   |
| 10866 | Finerenone Impurity 6                | VS-F075006 | 97944-45-1   |
| 10867 | Finerenone Impurity 7                | VS-F075007 | NA           |
| 10868 | Finerenone Impurity 8                | VS-F075008 | NA           |
| 10869 | Finerenone Impurity 9                | VS-F075009 | 2640280-85-7 |
| 10870 | Finerenone Impurity 10               | VS-F075010 | 2640280-84-6 |
| 10871 | Finerenone Impurity 11               | VS-F075011 | 2640280-87-9 |
| 10872 | Finerenone Impurity 12               | VS-F075012 | 2640280-86-8 |

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| 10873 | Finerenone Impurity 13                 | VS-F075013 | 1050477-45-6 |
| 10874 | Finerenone Impurity 14                 | VS-F075014 | 1050477-27-4 |
| 10875 | Finerenone Impurity 15                 | VS-F075015 | 1050477-30-9 |
| 10876 | Finerenone Impurity 16                 | VS-F075016 | 2640280-82-4 |
| 10877 | Finerenone Impurity 17                 | VS-F075017 | 2640280-83-5 |
| 10878 | Finerenone Nitroso Impurity            | VS-F075018 | NA           |
| 10879 | Fipronil                               | VS-F076000 | 120068-37-3  |
| 10880 | Fipronil EP Impurity A                 | VS-F076001 | 120067-83-6  |
| 10881 | Fipronil EP Impurity B                 | VS-F076002 | 120068-36-2  |
| 10882 | Flonicamid                             | VS-F077000 | 158062-67-0  |
| 10883 | Florfenicol                            | VS-F078000 | 73231-34-2   |
| 10884 | Florfenicol Chloro Analogue            | VS-F078001 | 1322625-10-4 |
| 10885 | Florfenicol amine                      | VS-F078002 | 76639-93-5   |
| 10886 | Deschloro Florfenicol                  | VS-F078003 | 138872-73-8  |
| 10887 | Florfenicol Impurity 1                 | VS-F078004 | 392-63-2     |
| 10888 | Florfenicol Impurity 2                 | VS-F078005 | 126813-11-4  |
| 10889 | Florfenicol Impurity 3                 | VS-F078006 | 143026-79-3  |
| 10890 | Fludeoxyglucose                        | VS-F079000 | 29702-43-0   |
| 10891 | Fludeoxyglucose USP Related Compound A | VS-F079001 | 23978-09-8   |
| 10892 | Fludeoxyglucose USP Related Compound B | VS-F079002 | 14685-79-1   |
| 10893 | Fludrocortisone Acetate                | VS-F080000 | 514-36-3     |
| 10894 | Flufentacet-13C6                       | VS-F081000 | NA           |
| 10895 | Flufentacet                            | VS-F081001 | 142459-58-3  |
| 10896 | Flumioxazin                            | VS-F082000 | 103361-09-7  |
| 10897 | Flunisolide Hydrate                    | VS-F083000 | 77326-96-6   |
| 10898 | Flunisolide Impurity 1                 | VS-F083001 | 75575-02-9   |
| 10899 | 11-Keto Flunisolide                    | VS-F083002 | 1997-76-8    |
| 10900 | Flunisolide-21-Carboxylic Acid         | VS-F083003 | 1432475-16-5 |
| 10901 | Fluorescein                            | VS-F084000 | 05-07-21     |
| 10902 | Fluorescein EP Impurity A              | VS-F084001 | 108-46-3     |
| 10903 | Fluorescein EP Impurity B              | VS-F084002 | 88-99-3      |
| 10904 | Fluorescein EP Impurity C              | VS-F084003 | 2513-33-9    |
| 10905 | Foscarnet Sodium Hexahydrate           | VS-F085000 | 34156-56-4   |
| 10906 | Foscarnet EP Impurity A                | VS-F085001 | 72305-00-1   |
| 10907 | Foscarnet EP Impurity B                | VS-F085002 | 55920-24-6   |
| 10908 | Foscarnet EP Impurity C                | VS-F085003 | 72304-94-0   |
| 10909 | Foscarnet EP Impurity D                | VS-F085004 | 1474-78-8    |
| 10910 | Fosdenopterin                          | VS-F086000 | 150829-29-1  |
| 10911 | Fenpyroximate                          | VS-F087000 | 111812-58-9  |
| 10912 | Fenpyroximate Z-Isomer                 | VS-F087001 | 149054-53-5  |
| 10913 | Fexuprazan Hydrochloride               | VS-F088000 | 1902954-87-3 |
| 10914 | Fidaxomicin                            | VS-F089000 | 873857-62-6  |
| 10915 | Fidaxomicin Impurity A                 | VS-F089001 | 112396-61-9  |
| 10916 | Fidaxomicin Impurity B                 | VS-F089002 | NA           |
| 10917 | Fidaxomicin Impurity C                 | VS-F089003 | NA           |
| 10918 | Fidaxomicin Impurity 1                 | VS-F089004 | NA           |
| 10919 | Fidaxomicin Impurity 2                 | VS-F089005 | NA           |

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| 10920 | Flortaucipir (F-18)                | VS-F090000 | 1522051-90-6 |
| 10921 | Fluazuron                          | VS-F091000 | 86811-58-7   |
| 10922 | Fluoroestradiol (F-18)             | VS-F092000 | 94153-53-4   |
| 10923 | Fluralaner                         | VS-F093000 | 864731-61-3  |
| 10924 | Flurazepam                         | VS-F094000 | 17617-23-1   |
| 10925 | Flurazepam EP Impurity A           | VS-F094001 | 36105-18-7   |
| 10926 | Flurazepam EP Impurity B           | VS-F094002 | 2886-65-9    |
| 10927 | Flurazepam EP Impurity C           | VS-F094003 | NA           |
| 10928 | Fondaparinux                       | VS-F095000 | 104993-28-4  |
| 10929 | Fostemsavir                        | VS-F096000 | 864953-29-7  |
| 10930 | Futibatinib                        | VS-F098000 | 1448169-71-8 |
| 10931 | Fezolinetant                       | VS-F099000 | 1629229-37-3 |
| 10932 | Fezolinetant S-Isomer              | VS-F099001 | NA           |
| 10933 | desfluoro Fezolinetant impurity    | VS-F099002 | NA           |
| 10934 | Fezolinetant impurity 1            | VS-F099003 | NA           |
| 10935 | Gabalactam                         | VS-G001000 | 64744-50-9   |
| 10936 | Bisgabalactam                      | VS-G001001 | N/A          |
| 10937 | Methylene bis (Gabapentinlactam)   | VS-G001002 | N/A          |
| 10938 | Gabapentin                         | VS-G002000 | 60142-96-3   |
| 10939 | Gabapentin Quaternized Salt        | VS-G002001 | 1228301-72-1 |
| 10940 | Gabapentin EP Impurity A           | VS-G002002 | 64744-50-9   |
| 10941 | Gabapentin EP Impurity B           | VS-G002003 | 133481-09-1  |
| 10942 | Gabapentin EP Impurity D           | VS-G002004 | 1076198-17-8 |
| 10943 | Gabapentin EP Impurity E           | VS-G002005 | 67950-95-2   |
| 10944 | Gabapentin EP Impurity G           | VS-G002006 | 1500558-49-5 |
| 10945 | Gabapentin Enacarbil               | VS-G002007 | 478296-72-9  |
| 10946 | Gabapentin Di-Nitrile Impurity     | VS-G002008 | 4172-99-0    |
| 10947 | Gabapentin acid Impurity           | VS-G002009 | 1281568-83-9 |
| 10948 | Gabapentin allyl Impurity          | VS-G002010 | N/A          |
| 10949 | Gabapentin cyclic Impurity         | VS-G002011 | N/A          |
| 10950 | 1,1-cyclohexane diacetic monoamide | VS-G002012 | 887589-52-8  |
| 10951 | 1,1-cyclohexane diacetic acid      | VS-G002013 | 07-11-55     |
| 10952 | Methyl Gabapentin Ester            | VS-G002014 | 63562-01-6   |
| 10953 | Gabapentin Formyl Impurity         | VS-G002015 | N/A          |
| 10954 | Gabapentin Lactom Impurity         | VS-G002016 | 1344032-05-8 |
| 10955 | Gabapentin Di-Lactom Impurity      | VS-G002017 | N/A          |
| 10956 | Gabapentine Lactose Adduct         | VS-G002018 | N/A          |
| 10957 | Gabapentine Impurity 1             | VS-G002019 | N/A          |
| 10958 | Gabapentine Impurity 2             | VS-G002020 | N/A          |
| 10959 | Gabapentine Impurity 3             | VS-G002021 | 1087760-14-2 |
| 10960 | Gabapentine Impurity 4             | VS-G002022 | 90961-78-7   |
| 10961 | Gabapentine Impurity 5             | VS-G002023 | N/A          |
| 10962 | Gabapentine Impurity 6             | VS-G002024 | 4096-34-8    |
| 10963 | Gabapentine Impurity 7             | VS-G002025 | N/A          |
| 10964 | Gabapentine Impurity 8             | VS-G002026 | N/A          |
| 10965 | Gabapentine Impurity 9             | VS-G002027 | N/A          |
| 10966 | Gabapentine Impurity 10            | VS-G002028 | 99189-60-3   |

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| 10967 | Gabapentine Impurity 10         | VS-G002029 | 123-42-2      |
| 10968 | Gabapentine Impurity 11         | VS-G002030 | 08-02-18      |
| 10969 | Gabapentine Impurity 12         | VS-G002031 | 6700-95-4     |
| 10970 | Gabapentine Impurity 13         | VS-G002032 | 38697-07-3    |
| 10971 | Gabapentine Impurity 14         | VS-G002033 | 4461-87-4     |
| 10972 | Gabapentine Impurity 15         | VS-G002034 | 4376-23-2     |
| 10973 | Gabapentine Impurity 16         | VS-G002035 | 111-92-2      |
| 10974 | Gabapentine Impurity 17         | VS-G002036 | 1119-44-4     |
| 10975 | Gabapentine Impurity 18         | VS-G002037 | 645-62-5      |
| 10976 | Gabapentine Impurity 19         | VS-G002038 | N/A           |
| 10977 | Gabapentine Impurity 20         | VS-G002039 | 4853-56-9     |
| 10978 | Gabapentine Impurity 21         | VS-G002040 | 107-70-0      |
| 10979 | Gabapentine Impurity 22         | VS-G002041 | 07-08-51      |
| 10980 | Gabapentine Impurity 23         | VS-G002042 | 7491-42-1     |
| 10981 | Gabapentine Impurity 24         | VS-G002043 | N/A           |
| 10982 | Gabapentine Impurity 25         | VS-G002044 | 4441-55-8     |
| 10983 | Gabapentine Impurity 26         | VS-G002045 | 761-65-9      |
| 10984 | Gabapentin EP Impurity E        | VS-G002046 | 667465-00-1   |
| 10985 | Gabapentine Impurity 27         | VS-G002047 | 1545427-14-2  |
| 10986 | Gabapentine Lactose Impurity 2  | VS-G002048 | N/A           |
| 10987 | Gadobutrol Monohydrate          | VS-G003001 | 198637-52-4   |
| 10988 | Gadobutrol EP Impurity A        | VS-G003002 | 2514736-58-2  |
| 10989 | Gadobutrol EP Impurity B        | VS-G003003 | 138168-36-2   |
| 10990 | Gadobutrol EP Impurity C        | VS-G003004 | N/A           |
| 10991 | Gadodiamide Hydrate             | VS-G004001 | 131410-48-5   |
| 10992 | Gadodiamide EP Impurity A       | VS-G004002 | N/A           |
| 10993 | Gadodiamide EP Impurity B       | VS-G004003 | N/A           |
| 10994 | Gadodiamide EP Impurity C       | VS-G004004 | 74-89-5       |
| 10995 | Caldiamide                      | VS-G004005 | 119895-95-3   |
| 10996 | Gadoteridol                     | VS-G006000 | 120066-54-8   |
| 10997 | Gadoteridol Impurity 1          | VS-G006001 | 114873-37-9   |
| 10998 | Gadoteridol Impurity 2          | VS-G006002 | 60239-18-1    |
| 10999 | Gadoteridol Related Compound C  | VS-G006003 | 220182-19-4   |
| 11000 | Galantamine Hydrobromide        | VS-G007000 | 04-04-53 0:00 |
| 11001 | Narwedine                       | VS-G007001 | 510-77-0      |
| 11002 | Epi Galanthamine                | VS-G007002 | 1668-85-5     |
| 11003 | Lycoramine                      | VS-G007003 | 21133-52-8    |
| 11004 | Tetrahydrogalantamine           | VS-G007004 | 664995-65-7   |
| 11005 | N-Desmethyl Galanthamine        | VS-G007005 | 41303-74-6    |
| 11006 | Galantamine EP Impurity F       | VS-G007006 | 60384-53-4    |
| 11007 | Galantamine N-Oxide (SRS)       | VS-G007007 | 199014-26-1   |
| 11008 | Epi-Galantamine N-Oxide (SSS)   | VS-G007008 | 366485-18-9   |
| 11009 | Dihydronarwedine                | VS-G007009 | 21041-10-1    |
| 11010 | O-Desmethyl Galantamine         | VS-G007010 | 60755-80-8    |
| 11011 | Galantamine Impurity 9          | VS-G007011 | 3891-74-5     |
| 11012 | Galantamine N-Oxide             | VS-G007012 | 134332-50-6   |
| 11013 | Desmethyl Galantamine N-Nitroso | VS-G007013 | NA            |

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| 11014 | Gamithromycin                              | VS-G008000 | 145435-72-9  |
| 11015 | Gamithromycin Impurity I                   | VS-G008001 | 145259-55-8  |
| 11016 | Gamithromycin Impurity II                  | VS-G008002 | N/A          |
| 11017 | N-Despropyl gamithromycin                  | VS-G008003 | 145388-07-4  |
| 11018 | Gamithromycin Impurity IV                  | VS-G008004 | N/A          |
| 11019 | Gamithromycin Impurity V                   | VS-G008005 | 1797448-01-1 |
| 11020 | Gamithromycin Impurity VI                  | VS-G008006 | 92594-48-4   |
| 11021 | Ganciclovir                                | VS-G009000 | 82410-32-0   |
| 11022 | Ganciclovir Sodium                         | VS-G009001 | 107910-75-8  |
| 11023 | Ganciclovir EP Impurity A                  | VS-G009002 | 1797982-93-4 |
| 11024 | Ganciclovir EP Impurity B                  | VS-G009003 | 194159-18-7  |
| 11025 | Ganciclovir EP Impurity C                  | VS-G009004 | 108436-36-8  |
| 11026 | Ganciclovir EP Impurity D                  | VS-G009005 | 1346598-14-8 |
| 11027 | Ganciclovir EP Impurity E                  | VS-G009006 | 86357-09-7   |
| 11028 | Ganciclovir EP Impurity H                  | VS-G009007 | 84222-50-4   |
| 11029 | Ganciclovir EP Impurity I                  | VS-G009008 | 86357-20-2   |
| 11030 | Ganciclovir EP Impurity J                  | VS-G009009 | 177216-32-9  |
| 11031 | Triacetyl Ganciclovir                      | VS-G009010 | 86357-14-4   |
| 11032 | Diacetyl Isoganciclovir                    | VS-G009011 | 90661-36-2   |
| 11033 | Triacetyl Isoganciclovir                   | VS-G009012 | 86357-11-1   |
| 11034 | Ganciclovir Diacetate                      | VS-G009013 | 86357-19-9   |
| 11035 | Ganciclovir mono-N-methyl Valinate-1       | VS-G009014 | 1401661-95-7 |
| 11036 | Ganciclovir mono-N-methyl Valinate-2       | VS-G009015 | N/A          |
| 11037 | Isovalganciclovir Isomer 1                 | VS-G009016 | N/A          |
| 11038 | Isovalganciclovir Isomer 2                 | VS-G009017 | N/A          |
| 11039 | Ganciclovir Divalinate                     | VS-G009018 | 130914-71-5  |
| 11040 | (S)-Valganciclovir Dimethyl Ether Impurity | VS-G009019 | 1356932-88-1 |
| 11041 | Isomono-chloroganciclovir                  | VS-G009020 | N/A          |
| 11042 | Ganciclovir-Cbz-L-Valine Diester           | VS-G009021 | N/A          |
| 11043 | Ganciclovir Impurity 1                     | VS-G009022 | 86357-17-7   |
| 11044 | Ganciclovir Impurity N                     | VS-G009023 | 1401562-16-0 |
| 11045 | Ganciclovir Impurity 2                     | VS-G009024 | 107-07-3     |
| 11046 | Ganciclovir Impurity 3                     | VS-G009025 | 86357-13-3   |
| 11047 | Ganirelix Acetate                          | VS-G010001 | 129311-55-3  |
| 11048 | Ganirelix Acetate Impurity A               | VS-G010002 | N/A          |
| 11049 | Ganirelix Acetate Impurity B               | VS-G010003 | 2135326-92-8 |
| 11050 | Ganirelix Acetate Impurity C               | VS-G010004 | N/A          |
| 11051 | Ganirelix Acetate Impurity D               | VS-G010005 | 129225-21-4  |
| 11052 | Gatifloxacin                               | VS-G011000 | 112811-59-3  |
| 11053 | Gatifloxacin USP RC A                      | VS-G011001 | 616205-76-6  |
| 11054 | Gatifloxacin USP RC B                      | VS-G011002 | 154093-72-8  |
| 11055 | Gatifloxacin USP RC C                      | VS-G011003 | 112811-72-0  |
| 11056 | Gatifloxacin USP RC D                      | VS-G011004 | 112811-57-1  |
| 11057 | Gatifloxacin USP RC E                      | VS-G011005 | 1029364-65-5 |
| 11058 | Gatifloxacin Desethylene Impurity          | VS-G011006 | 172426-87-8  |
| 11059 | Gatifloxacin Despropylene Impurity         | VS-G011007 | 172426-86-7  |
| 11060 | Gatifloxacin N-Methyl Impurity             | VS-G011008 | 114213-69-3  |

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| 11061 | Gatifloxacin N-Oxide                           | VS-G011009 | 1798008-43-1 |
| 11062 | 8-Demethoxy-8-fluoro Gatifloxacin              | VS-G011010 | 103460-89-5  |
| 11063 | Ethyl Quinolonic Ester Impurity                | VS-G011011 | 112811-71-9  |
| 11064 | Gatifloxacin Propionic Acid Analog             | VS-G011012 | N/A          |
| 11065 | Gatifloxacin Impurity 1                        | VS-G011013 | 1335198-95-2 |
| 11066 | Gatifloxacin Impurity 2                        | VS-G011014 | 855997-06-7  |
| 11067 | Gatifloxacin Impurity 3                        | VS-G011015 | 144633-98-7  |
| 11068 | Gefitinib                                      | VS-G012000 | 184475-35-2  |
| 11069 | Gefitinib EP Impurity A                        | VS-G012001 | 199327-61-2  |
| 11070 | Gefitinib EP Impurity B                        | VS-G012002 | 1603814-04-5 |
| 11071 | Gefitinib N-Oxide                              | VS-G012003 | 847949-51-3  |
| 11072 | Gefitinib 3,4-Difluoro Impurity HCl            | VS-G012004 | 184475-68-1  |
| 11073 | Gefitinib 4-Desfluoro Impurity HCl             | VS-G012005 | N/A          |
| 11074 | O-Desmethyl Gefitinib                          | VS-G012006 | 847949-49-9  |
| 11075 | 3-Desmorpholinyl-3-Hydroxyethylamino Gefitinib | VS-G012007 | 847949-56-8  |
| 11076 | 4-Defluoro-4-Hydroxy Gefitinib                 | VS-G012008 | 847949-50-2  |
| 11077 | 3-Deschloro-3,4-difluoro Gefitinib             | VS-G012009 | 184475-50-1  |
| 11078 | Gefitinib Impurity I TriHCl                    | VS-G012010 | N/A          |
| 11079 | Gefitinib Impurity II                          | VS-G012011 | 153437-78-6  |
| 11080 | Gefitinib Impurity III                         | VS-G012012 | 95-76-1      |
| 11081 | Gefitinib Impurity IV HCl                      | VS-G012013 | N/A          |
| 11082 | Gefitinib Impurity V                           | VS-G012014 | 367-21-5     |
| 11083 | Gefitinib Impurity VI                          | VS-G012015 | 7357-67-7    |
| 11084 | Gefitinib Impurity VII                         | VS-G012016 | 179688-53-0  |
| 11085 | Gefitinib Impurity VIII                        | VS-G012017 | 788136-89-0  |
| 11086 | Gefitinib Impurity 1                           | VS-G012018 | 246512-44-7  |
| 11087 | Gefitinib Impurity 2                           | VS-G012019 | 675126-26-8  |
| 11088 | Gefitinib Impurity 3                           | VS-G012020 | 1640351-46-7 |
| 11089 | Gefitinib Impurity 4                           | VS-G012021 | 179688-52-9  |
| 11090 | Gefitinib Impurity 5                           | VS-G012022 | 909863-33-8  |
| 11091 | Gefitinib Impurity 6                           | VS-G012023 | 2475095-79-3 |
| 11092 | Gefitinib Impurity 7                           | VS-G012024 | 2475095-82-8 |
| 11093 | Gefitinib Impurity 8                           | VS-G012025 | 2512211-98-0 |
| 11094 | Gefitinib Impurity 9                           | VS-G012026 | 1608115-59-8 |
| 11095 | Gefitinib Impurity 10                          | VS-G012027 | 230955-75-6  |
| 11096 | Gefitinib Impurity 11                          | VS-G012028 | N/A          |
| 11097 | Gefitinib Impurity 12                          | VS-G012029 | 184475-71-6  |
| 11098 | Gefitinib Impurity 13                          | VS-G012030 | 2254241-82-0 |
| 11099 | Gefitinib Impurity 14                          | VS-G012031 | 1383952-42-8 |
| 11100 | Gefitinib Impurity 15                          | VS-G012032 | 95-50-1      |
| 11101 | Gefitinib Impurity 16                          | VS-G012033 | 350-30-1     |
| 11102 | Gefitinib Impurity 17                          | VS-G012034 | 09-04-06     |
| 11103 | Gefitinib Impurity 18                          | VS-G012035 | 04-11-63     |
| 11104 | Gefitinib Impurity 19                          | VS-G012036 | 99-54-7      |
| 11105 | Gefitinib Impurity 20                          | VS-G012037 | 367-22-6     |
| 11106 | Gefitinib Impurity 21                          | VS-G012038 | 621-59-0     |
| 11107 | Gefitinib Impurity 22                          | VS-G012039 | 934191-95-4  |

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| 11108 | Gefitinib Impurity 23                            | VS-G012040 | 675126-28-0  |
| 11109 | Gefitinib Impurity 24                            | VS-G012041 | N/A          |
| 11110 | Gefitinib Impurity 25                            | VS-G012042 | N/A          |
| 11111 | Gefitinib Impurity 26                            | VS-G012043 | 861453-11-4  |
| 11112 | Gefitinib Impurity 27                            | VS-G012044 | 692059-41-9  |
| 11113 | Gefitinib Impurity 28                            | VS-G012045 | 912556-91-3  |
| 11114 | Gemcitabine Hydrochloride                        | VS-G013000 | 122111-03-9  |
| 11115 | Gemcitabine EP Impurity A                        | VS-G013001 | 71-30-7      |
| 11116 | Gemcitabine EP Impurity B                        | VS-G013002 | N/A          |
| 11117 | Gemcitabine EP Impurity C                        | VS-G013003 | 114248-23-6  |
| 11118 | Gemcitabine Monophosphate                        | VS-G013004 | N/A          |
| 11119 | Gemcitabine Dihydrogen Phosphate                 | VS-G013005 | N/A          |
| 11120 | 5-O-Acetyl Gemcitabine                           | VS-G013006 | 122111-05-1  |
| 11121 | Gemcitabine Triphosphate Tri(triethylamine) Salt | VS-G013007 | N/A          |
| 11122 | 5-O-Acetyl Gemcitabine                           | VS-G013008 | N/A          |
| 11123 | Gemcitabine -Beta uridine                        | VS-G013009 | 3083-77-0    |
| 11124 | Gemcitabine 5-Benzoate Impurity                  | VS-G013010 | 2174019-90-8 |
| 11125 | Gemcitabine 3- benzoate impurity                 | VS-G013011 | 1147182-15-7 |
| 11126 | Gemcitabine Specified Impurity 1                 | VS-G013012 | 114457-94-2  |
| 11127 | Gemcitabine Specified Impurity 2                 | VS-G013013 | N/A          |
| 11128 | Gemcitabine Specified Impurity 3                 | VS-G013014 | N/A          |
| 11129 | Gemcitabine Impurity 1                           | VS-G013015 | N/A          |
| 11130 | Gemcitabine Impurity 2                           | VS-G013016 | N/A          |
| 11131 | Gemcitabine Impurity 3                           | VS-G013017 | N/A          |
| 11132 | Gemcitabine Impurity 4                           | VS-G013018 | 294177-31-4  |
| 11133 | Gemcitabine Impurity 5                           | VS-G013019 | N/A          |
| 11134 | Gemcitabine Impurity 6                           | VS-G013020 | N/A          |
| 11135 | Gemcitabine Impurity 7                           | VS-G013021 | N/A          |
| 11136 | Gemcitabine Impurity 8                           | VS-G013022 | N/A          |
| 11137 | Gemcitabine Impurity 9                           | VS-G013023 | 122111-02-8  |
| 11138 | Gemcitabine Impurity 10                          | VS-G013024 | 1217452-91-9 |
| 11139 | Gemcitabine Impurity 11                          | VS-G013025 | 122111-01-7  |
| 11140 | Gemcitabine Impurity 12                          | VS-G013026 | 143157-22-6  |
| 11141 | Gemcitabine                                      | VS-G013027 | 95058-81-4   |
| 11142 | Gemeprost                                        | VS-G014000 | 64318-79-2   |
| 11143 | Gemfibrozil EP Impurity A                        | VS-G015001 | 95-87-4      |
| 11144 | Gemfibrozil EP Impurity B                        | VS-G015002 | 114413-97-7  |
| 11145 | Gemfibrozil EP Impurity C                        | VS-G015003 | N/A          |
| 11146 | Gemfibrozil EP Impurity D                        | VS-G015004 | 1798429-95-4 |
| 11147 | Gemfibrozil EP Impurity E                        | VS-G015005 | 500904-61-0  |
| 11148 | Gemfibrozil EP Impurity F                        | VS-G015006 | 500904-64-3  |
| 11149 | Gemfibrozil EP Impurity G                        | VS-G015007 | 3727-20-6    |
| 11150 | Gemfibrozil EP Impurity H                        | VS-G015008 | 415724-02-6  |
| 11151 | Gemfibrozil EP Impurity I                        | VS-G015009 | 149105-25-9  |
| 11152 | Gemfibrozil Isobutyl Ester                       | VS-G015010 | 149105-26-0  |
| 11153 | Gemifloxacin Mesylate                            | VS-G016001 | 210353-53-0  |
| 11154 | Gemifloxacin Keto Impurity                       | VS-G016002 | N/A          |

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|-------|----------------------------------------------------------|------------|--------------|
| 11155 | Gemifloxacin                                             | VS-G016003 | 175463-14-6  |
| 11156 | Gemigliptin                                              | VS-G017000 | 911637-19-9  |
| 11157 | Gemigliptin Tartrate enantiomer                          | VS-G017001 | N/A          |
| 11158 | Gentamicin C1                                            | VS-G018001 | 25876-10-2   |
| 11159 | Gentamicin C1a                                           | VS-G018002 | 26098-04-4   |
| 11160 | Gentamicin C1 Pentaacetate Salt                          | VS-G018003 | N/A          |
| 11161 | Gentamicin C2                                            | VS-G018004 | 25876-11-3   |
| 11162 | Gentamicin C2a                                           | VS-G018005 | 59751-72-3   |
| 11163 | Gentamicin C2b                                           | VS-G018006 | 52093-21-7   |
| 11164 | Gentamicin C2 pentaacetate (2 : 1 Mixture of C2 and C2a) | VS-G018007 | N/A          |
| 11165 | Gentamicin B1                                            | VS-G018008 | 36889-16-4   |
| 11166 | Gentamicine Sulphate EP Impurity A                       | VS-G018009 | N/A          |
| 11167 | Gentamicine Sulphate EP Impurity B                       | VS-G018010 | 49751-51-1   |
| 11168 | Gentamicine Sulphate EP Impurity C                       | VS-G018011 | N/A          |
| 11169 | Gentamicine Sulphate EP Impurity D                       | VS-G018012 | N/A          |
| 11170 | Gentamicine Sulphate EP Impurity E                       | VS-G018013 | 84107-26-6   |
| 11171 | Gestodene                                                | VS-G019000 | 60282-87-3   |
| 11172 | Gestodene EP Impurity A                                  | VS-G019001 | N/A          |
| 11173 | Gestodene EP Impurity B                                  | VS-G019002 | N/A          |
| 11174 | Gestodene EP Impurity C                                  | VS-G019003 | N/A          |
| 11175 | Gestodene EP Impurity D                                  | VS-G019004 | N/A          |
| 11176 | Gestodene EP Impurity E                                  | VS-G019005 | 2143949-52-2 |
| 11177 | Gestodene EP Impurity F                                  | VS-G019006 | 267650-77-1  |
| 11178 | Gestodene EP Impurity G                                  | VS-G019007 | 1421283-59-1 |
| 11179 | Gestodene EP Impurity H                                  | VS-G019008 | N/A          |
| 11180 | Gestodene EP Impurity I                                  | VS-G019009 | N/A          |
| 11181 | Gestodene EP Impurity J                                  | VS-G019010 | 104933-99-5  |
| 11182 | Gestodene EP Impurity K                                  | VS-G019011 | 1421283-61-5 |
| 11183 | Gestodene EP Impurity L                                  | VS-G019012 | N/A          |
| 11184 | Gestodene Related Compound 10                            | VS-G019013 | 932388-88-0  |
| 11185 | 6-Alpha Hydroxy Gestodene                                | VS-G019014 | N/A          |
| 11186 | Gestodene Impurity 1                                     | VS-G019015 | 104933-97-3  |
| 11187 | Gestodene Impurity 2                                     | VS-G019016 | 60919-46-2   |
| 11188 | Gilteritinib                                             | VS-G020000 | 1254053-43-4 |
| 11189 | Gimeracil                                                | VS-G021000 | 103766-25-2  |
| 11190 | Gimeracil Impurity 1                                     | VS-G021001 | 89942-45-0   |
| 11191 | Gimeracil Impurity 2                                     | VS-G021002 | 1379260-15-7 |
| 11192 | Ginkgolide Impurity A                                    | VS-G022001 | 15291-75-5   |
| 11193 | Ginkgolide Impurity B                                    | VS-G022002 | 15291-77-7   |
| 11194 | Ginkgolide Impurity C                                    | VS-G022003 | 15291-76-6   |
| 11195 | Glasdegib                                                | VS-G023000 | 1095173-27-5 |
| 11196 | Glecaprevir                                              | VS-G024000 | 1365970-03-1 |
| 11197 | Glecaprevir Impurity 1                                   | VS-G024001 | 1360828-80-3 |
| 11198 | Glecaprevir Impurity 2                                   | VS-G024002 | 32897-26-0   |
| 11199 | Glecaprevir Impurity 3                                   | VS-G024003 | 822-89-9     |
| 11200 | Glibenclamide                                            | VS-G025000 | 10238-21-8   |
| 11201 | Glibenclamide EP Impurity A                              | VS-G025001 | 16673-34-0   |



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| 11202 | Glibenclamide EP Impurity B                       | VS-G025002 | 21165-77-5   |
| 11203 | Glibenclamide EP Impurity C                       | VS-G025003 | 10079-35-3   |
| 11204 | Glibenclamide EP Impurity D                       | VS-G025004 | 38160-73-5   |
| 11205 | Glibenclamide EP Impurity E                       | VS-G025005 | 57334-89-1   |
| 11206 | Glibenclamide (Glyburide) Impurity 1              | VS-G025006 | N/A          |
| 11207 | Glibenclamide Impurity 1                          | VS-G025007 | 80762-77-2   |
| 11208 | Glibenclamide Impurity 2                          | VS-G025008 | 158751-80-5  |
| 11209 | Gliclazide                                        | VS-G026000 | 21187-98-4   |
| 11210 | Gliclazide EP Impurity A                          | VS-G026001 | 70-55-3      |
| 11211 | Gliclazide EP Impurity B                          | VS-G026002 | 54786-86-6   |
| 11212 | Gliclazide EP Impurity C                          | VS-G026003 | 5577-13-9    |
| 11213 | Gliclazide EP Impurity D                          | VS-G026004 | 1136426-19-1 |
| 11214 | Gliclazide EP Impurity E                          | VS-G026005 | N/A          |
| 11215 | Gliclazide EP Impurity F                          | VS-G026006 | 1076198-18-9 |
| 11216 | Gliclazide EP Impurity G                          | VS-G026007 | N/A          |
| 11217 | 2-Carboxamide Cyclohexanone                       | VS-G026008 | 22945-27-3   |
| 11218 | 2-Bromo-2-Carboxamide Cyclohexanone               | VS-G026009 | 80193-05-1   |
| 11219 | Cyclopentane-1,2-Dimethylamine                    | VS-G026010 | 1472697-57-6 |
| 11220 | Gliclazide Intermediate                           | VS-G026011 | 1694-06-0    |
| 11221 | Gliclazide Intermediate 1                         | VS-G026012 | 1461-97-8    |
| 11222 | Gliclazide Impurity 1                             | VS-G026013 | 58108-05-7   |
| 11223 | Gliclazide Impurity 2                             | VS-G026014 | 5763-44-0    |
| 11224 | Glimepiride                                       | VS-G027000 | 93479-97-1   |
| 11225 | Glimepiride EP Impurity A                         | VS-G027001 | 684286-46-2  |
| 11226 | Glimepiride EP Impurity B                         | VS-G027002 | 119018-29-0  |
| 11227 | Glimepiride EP Impurity C                         | VS-G027003 | 119018-30-3  |
| 11228 | Glimepiride EP Impurity D                         | VS-G027004 | 791104-62-6  |
| 11229 | Glimepiride EP Impurity E                         | VS-G027005 | 2366968-77-4 |
| 11230 | Glimepiride EP Impurity F                         | VS-G027006 | N/A          |
| 11231 | Glimepiride EP Impurity G                         | VS-G027007 | N/A          |
| 11232 | Glimepiride EP Impurity H                         | VS-G027008 | N/A          |
| 11233 | Glimepiride EP Impurity I                         | VS-G027009 | 878480-70-7  |
| 11234 | Glimepiride EP Impurity J                         | VS-G027010 | 41176-98-1   |
| 11235 | Glimepiride meta-Ester Impurity                   | VS-G027011 | N/A          |
| 11236 | Glimepiride Phenylethyl Impurity                  | VS-G027012 | 247098-18-6  |
| 11237 | Glimepiride Sulfonamide ortho-Isomer              | VS-G027013 | 2366968-78-5 |
| 11238 | Glimepiride Ethyl Ester Impurity                  | VS-G027014 | 318515-70-7  |
| 11239 | trans-Hydroxy Glimepiride                         | VS-G027015 | 600177-94-4  |
| 11240 | trans-Carboxylic Acid Glimepiride                 | VS-G027016 | N/A          |
| 11241 | 3-(Ethyl-d5)-1,5-dihydro-4-methyl-2H-pyrrol-2-one | VS-G027017 | 1028809-94-0 |
| 11242 | Glimepiride System Suitability Mixture            | VS-G027018 | N/A          |
| 11243 | Glimepiride Impurity 1                            | VS-G027019 | 41176-69-6   |
| 11244 | Glipizide                                         | VS-G028000 | 29094-61-9   |
| 11245 | Glipizide EP Impurity A                           | VS-G028001 | 33288-71-0   |
| 11246 | Glipizide EP Impurity B                           | VS-G028002 | 108-91-8     |
| 11247 | Glipizide EP Impurity C                           | VS-G028003 | 13554-93-3   |
| 11248 | Glipizide EP Impurity D                           | VS-G028004 | 1346600-54-1 |

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| 11249 | Glipizide EP Impurity E                       | VS-G028005 | 66375-96-0                               |
| 11250 | Glipizide EP Impurity F                       | VS-G028006 | 192118-08-4                              |
| 11251 | Glipizide EP Impurity G                       | VS-G028007 | 33288-74-3                               |
| 11252 | Glipizide EP Impurity H                       | VS-G028008 | 10080-05-4                               |
| 11253 | Glipizide EP Impurity I                       | VS-G028009 | 10079-35-3                               |
| 11254 | Glipizide Ethyl Carbonate Impurity            | VS-G028010 | 1076198-09-8                             |
| 11255 | Glipizide Dimer Impurity Potassium salt       | VS-G028011 | N/A                                      |
| 11256 | 1-Cyclohexyl-3-(p-sulfamoylphenethyl)urea-d11 | VS-G028012 | 1794979-66-0                             |
| 11257 | 4-trans-Hydroxyglipizide                      | VS-G028013 | 38207-36-2                               |
| 11258 | 3-cis-Hydroxyglipizide                        | VS-G028014 | 38207-37-3                               |
| 11259 | Glipizide Dimer Impurity Sodium salt          | VS-G028015 | N/A                                      |
| 11260 | Glipizide Impurity 1                          | VS-G028016 | 2015-16-9                                |
| 11261 | Glipizide Impurity 2                          | VS-G028017 | N/A                                      |
| 11262 | Glipizide Impurity 3                          | VS-G028018 | N/A                                      |
| 11263 | Glipizide Impurity 4                          | VS-G028019 | 2468797-13-7                             |
| 11264 | Glipizide Impurity 5                          | VS-G028020 | N/A                                      |
| 11265 | Glucosamine                                   | VS-G029000 | 3416-24-8                                |
| 11266 | Glucosamine EP Impurity A                     | VS-G029001 | 72-87-7                                  |
| 11267 | Glucosamine EP Impurity B                     | VS-G029002 | 13185-73-4                               |
| 11268 | Glucosamine EP Impurity C                     | VS-G029003 | 17460-13-8                               |
| 11269 | Glucosamine EP Impurity E                     | VS-G029004 | 67-47-0                                  |
| 11270 | D-Glucosamic Acid                             | VS-G029005 | 3646-68-2                                |
| 11271 | Glucosamine Sulfate Sodium Salt               | VS-G029006 | 38899-05-7                               |
| 11272 | N-Acetyl- $\alpha$ -D-Glucosamine-1-Phosphate | VS-G029007 | 28446-21-1                               |
| 11273 | Glucosamine Hydrochloride                     | VS-G029008 | 66-84-2                                  |
| 11274 | L-Glutamic Acid Impurity                      | VS-G030000 | 56-86-0                                  |
| 11275 | L- Glutamic Acid $\alpha$ -Ethyl Ester        | VS-G030001 | 64942-50-3                               |
| 11276 | L- Glutamic Acid 5-Methyl Ester               | VS-G030002 | 1499-55-4                                |
| 11277 | L- Glutamic Acid $\gamma$ -Ethyl Ester        | VS-G030003 | 1119-33-1                                |
| 11278 | L- Glutamic Acid $\alpha$ -Methyl Ester       | VS-G030004 | 03-08-84                                 |
| 11279 | L-Pyroglutamic Acid                           | VS-G030005 | 98-79-3                                  |
| 11280 | Glutamine                                     | VS-G031000 | 56-85-9                                  |
| 11281 | Glycocholic Acid                              | VS-G032000 | 475-31-0                                 |
| 11282 | Glycodeoxycholic Acid Ethyl Ester             | VS-G032001 | 70779-06-5                               |
| 11283 | Glycocholic Acid Ethyl Ester                  | VS-G032002 | 517904-33-5                              |
| 11284 | Cholic Acid Ethyl Ester                       | VS-G032003 | 47676-48-2                               |
| 11285 | Glycine Ethyl Ester hydrochloride             | VS-G032004 | 623-33-6                                 |
| 11286 | Glycocholic Acid Sodium Salt                  | VS-G032005 | 863-57-0                                 |
| 11287 | Glycopyrrolate                                | VS-G033000 | 596-51-0                                 |
| 11288 | Glycopyrrolate Related compound B             | VS-G033001 | 13118-11-1                               |
| 11289 | Glycopyrrolate Related compound C             | VS-G033002 | 427-49-6                                 |
| 11290 | Glycopyrrolate Related compound I             | VS-G033003 | 1404453-68-4                             |
| 11291 | Glycopyrrolate Related compound L             | VS-G033004 | 19833-96-6                               |
| 11292 | Glycopyrrolate Impurity N                     | VS-G033005 | 58493-54-2                               |
| 11293 | Glycopyrrolate Erythroisomer                  | VS-G033006 | 475468-09-8 (R,R) ;<br>201667-20-1 (S,S) |
| 11294 | Didehydroglycopyrrolate                       | VS-G033007 | N/A                                      |

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| 11295 | (2R,3'R)-Glycopyrrolate Bromide            | VS-G033008 | 475468-09-8  |
| 11296 | (2S,3'S)-Glycopyrrolate Bromide            | VS-G033009 | 201667-20-1  |
| 11297 | Glycopyrrolate Impurity 5                  | VS-G033010 | 1404453-67-3 |
| 11298 | Glycopyrrolate Impurity 1                  | VS-G033011 | 51052-74-5   |
| 11299 | Glycopyrrolate Impurity 2                  | VS-G033012 | 1332599-61-7 |
| 11300 | Glycopyrrolate Impurity 3                  | VS-G033013 | 16098-80-9   |
| 11301 | Glycopyrrolate Impurity 4                  | VS-G033014 | 1253375-83-5 |
| 11302 | Glycopyrronium Bromide                     | VS-G034000 | 51186-83-5   |
| 11303 | Glycopyrronium Bromide EP Impurity B       | VS-G034001 | 611-73-4     |
| 11304 | Glycopyrronium Bromide EP Impurity C       | VS-G034002 | 90-64-2      |
| 11305 | Glycopyrronium Bromide EP Impurity D       | VS-G034003 | 65-85-0      |
| 11306 | Glycopyrronium Bromide EP Impurity F       | VS-G034004 | 100-52-7     |
| 11307 | Glycopyrronium Bromide EP Impurity G (HCl) | VS-G034005 | 13118-10-0   |
| 11308 | Glycopyrronium Bromide EP Impurity H       | VS-G034006 | 15206-55-0   |
| 11309 | Glycopyrronium Bromide EP Impurity I       | VS-G034007 | 1404617-94-2 |
| 11310 | Glycopyrronium Bromide EP Impurity J       | VS-G034008 | 427-49-6     |
| 11311 | Glycopyrronium Bromide EP Impurity K       | VS-G034009 | 3900-93-4    |
| 11312 | Glycopyrronium Bromide EP Impurity M       | VS-G034010 | 5422-88-8    |
| 11313 | Glycopyrronium Bromide EP Impurity N       | VS-G034011 | N/A          |
| 11314 | Glycopyrronium Bromide EP Impurity O       | VS-G034012 | 618-88-2     |
| 11315 | Goserelin                                  | VS-G035000 | 65807-02-5   |
| 11316 | Goserelin EP Impurity B                    | VS-G035001 | 184686-52-0  |
| 11317 | Goserelin EP Impurity C                    | VS-G035002 | N/A          |
| 11318 | Goserelin EP Impurity D                    | VS-G035003 | N/A          |
| 11319 | Goserelin EP Impurity E                    | VS-G035004 | 147688-42-4  |
| 11320 | Goserelin EP Impurity G                    | VS-G035005 | 1926163-37-2 |
| 11321 | Goserelin EP Impurity H                    | VS-G035006 | N/A          |
| 11322 | Goserelin EP Impurity I                    | VS-G035007 | N/A          |
| 11323 | Goserelin EP Impurity J                    | VS-G035008 | N/A          |
| 11324 | Goserelin EP Impurity K                    | VS-G035009 | 1926163-83-8 |
| 11325 | Goserelin EP Impurity L                    | VS-G035010 | 1926163-38-3 |
| 11326 | Gramicidin                                 | VS-G036000 | 4419-81-2    |
| 11327 | Gramicidin EP Impurity A                   | VS-G036001 | 354577-65-4  |
| 11328 | Gramicidin EP Impurity B                   | VS-G036002 | 354577-67-6  |
| 11329 | Gramicidin EP Impurity C                   | VS-G036003 | 07-07-77     |
| 11330 | Gramicidin EP Impurity D                   | VS-G036004 | N/A          |
| 11331 | Gramicidin EP Impurity E                   | VS-G036005 | N/A          |
| 11332 | Granisetron                                | VS-G037000 | 109889-09-0  |
| 11333 | 7-Hydroxy Granisetron                      | VS-G037001 | 133841-15-3  |
| 11334 | Granisetron EP Impurity A                  | VS-G037002 | 127472-42-8  |
| 11335 | Granisetron EP Impurity B                  | VS-G037003 | 107007-95-4  |
| 11336 | Granisetron EP Impurity C                  | VS-G037004 | 160177-67-3  |
| 11337 | Granisetron EP Impurity D                  | VS-G037005 | 50890-83-0   |
| 11338 | Granisetron EP Impurity E                  | VS-G037006 | 76272-56-5   |
| 11339 | Granisetron EP Impurity G                  | VS-G037007 | 34252-44-3   |
| 11340 | Granisetron EP Impurity I                  | VS-G037008 | 1363173-34-5 |
| 11341 | Granisetron Impurity 1                     | VS-G037009 | 6164-67-6    |

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| 11342 | Granisetron Impurity 2                     | VS-G037010 | 98556-68-4   |
| 11343 | Granisetron Impurity 3                     | VS-G037011 | N/A          |
| 11344 | Granisetron EP Impurity C (HCl Salt)       | VS-G037012 | 141136-01-8  |
| 11345 | Granisetron Nitroso Impurity 1             | VS-G037013 | 98556-68-4   |
| 11346 | Granisetron Nitroso Impurity 2             | VS-G037014 | N/A          |
| 11347 | N-Nitroso Granisetron EP Impurity B        | VS-G037015 | N/A          |
| 11348 | N-Nitroso Granisetron EP Impurity F        | VS-G037016 | N/A          |
| 11349 | N-Nitroso Granisetron EP Impurity C        | VS-G037017 | N/A          |
| 11350 | Griseofulvin                               | VS-G038000 | 126-07-8     |
| 11351 | Griseofulvin EP Impurity A                 | VS-G038001 | 469-54-5     |
| 11352 | Griseofulvin EP Impurity B                 | VS-G038002 | 3680-32-8    |
| 11353 | Griseofulvin EP Impurity C                 | VS-G038003 | 3573-90-8    |
| 11354 | Guaifenesin                                | VS-G039000 | 93-14-1      |
| 11355 | Guaifenesin EP Impurity A                  | VS-G039001 | 90-05-1      |
| 11356 | Guaifenesin EP Impurity B                  | VS-G039002 | 14007-09-1   |
| 11357 | Guaifenesin EP Impurity C                  | VS-G039003 | 1797132-23-0 |
| 11358 | Guaifenesin EP Impurity D                  | VS-G039004 | 16929-60-5   |
| 11359 | rac Guaifenesin Cyclic Carbonate           | VS-G039005 | 2049-21-0    |
| 11360 | Guaifenesin Impurity 1                     | VS-G039006 | 2210-74-4    |
| 11361 | Guaifenesin Impurity 2                     | VS-G039007 | 19826-87-0   |
| 11362 | Guanfacine Hydrochloride                   | VS-G040001 | 29110-48-3   |
| 11363 | 2,6-Dichlorophenylacetic Acid              | VS-G040002 | 6575-24-2    |
| 11364 | 2,6-Dichlorophenylacetic Acid Methyl Ester | VS-G040003 | 54551-83-6   |
| 11365 | Guanidine Hydrochloride                    | VS-G040004 | 50-01-1      |
| 11366 | Guanfacine Dimer Impurity                  | VS-G040005 | N/A          |
| 11367 | Guanfacine Impurity 1                      | VS-G040006 | 6381-92-6    |
| 11368 | Nitrosoguanidine                           | VS-G040007 | 674-81-7     |
| 11369 | Guanfacine                                 | VS-G040008 | 29110-47-2   |
| 11370 | Guanine                                    | VS-G041000 | 73-40-5      |
| 11371 | o-6-benzyl guanine                         | VS-G041001 | 19916-73-5   |
| 11372 | Grazoprevir                                | VS-G042000 | 1350514-68-9 |
| 11373 | Glutathione                                | VS-G043000 | 70-18-8      |
| 11374 | Glutathione EP Impurity A                  | VS-G043001 | 19246-18-5   |
| 11375 | Glutathione EP Impurity B                  | VS-G043002 | 52-90-4      |
| 11376 | Glutathione EP Impurity C                  | VS-G043003 | 27025-41-8   |
| 11377 | Glutathione EP Impurity D                  | VS-G043004 | 636-58-8     |
| 11378 | Ganaxolone                                 | VS-G044000 | 38398-32-2   |
| 11379 | Genistin                                   | VS-G045000 | 529-59-9     |
| 11380 | Genistein 7-O-phosphate                    | VS-G045001 | 386285-70-7  |
| 11381 | Gingerol                                   | VS-G046000 | 23513-14-6   |
| 11382 | Ginsenoside Rg2                            | VS-G047000 | 52286-74-5   |
| 11383 | Ginsenoside Rb1                            | VS-G047001 | 41753-43-9   |
| 11384 | Ginsenoside Rg1                            | VS-G047002 | 22427-39-0   |
| 11385 | Glabridin                                  | VS-G048000 | 59870-68-7   |
| 11386 | Glatiramer Acetate                         | VS-G049000 | 147245-92-9  |
| 11387 | Guanabenz                                  | VS-G051000 | 5051-62-7    |
| 11388 | Guanadrel                                  | VS-G052000 | 40580-59-4   |

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| 11389 | Glucuronic Acid                               | VS-G053000 | 03-12-56     |
| 11390 | Glycine EP Impurity A                         | VS-G054000 | 142-73-4     |
| 11391 | Glycine EP Impurity B                         | VS-G054001 | 106-57-0     |
| 11392 | Glycine EP Impurity C                         | VS-G054002 | 79-11-8      |
| 11393 | Glycine EP Impurity D                         | VS-G054003 | 100-97-0     |
| 11394 | Glycine EP Impurity E                         | VS-G054004 | 107-95-9     |
| 11395 | Glycine EP Impurity F                         | VS-G054005 | 107-97-1     |
| 11396 | Glycine EP Impurity G                         | VS-G054006 | 56-45-1      |
| 11397 | Glycine EP Impurity H                         | VS-G054007 | 556-50-3     |
| 11398 | Glycine EP Impurity I                         | VS-G054008 | 556-33-2     |
| 11399 | Halcinonide                                   | VS-H001000 | 3093-35-4    |
| 11400 | Halcinonide Impurity 1                        | VS-H001001 | N/A          |
| 11401 | Halcinonide Impurity 2                        | VS-H001002 | 982-91-2     |
| 11402 | Halcinonide Impurity 3                        | VS-H001003 | N/A          |
| 11403 | Halcinonide Impurity 4                        | VS-H001004 | 2414269-43-3 |
| 11404 | Halcinonide Impurity 5                        | VS-H001005 | N/A          |
| 11405 | Halcinonide Impurity 6                        | VS-H001006 | N/A          |
| 11406 | Halcinonide Impurity 7                        | VS-H001007 | N/A          |
| 11407 | Halcinonide Impurity 8                        | VS-H001008 | N/A          |
| 11408 | Halcinonide Impurity 9                        | VS-H001009 | N/A          |
| 11409 | Halcinonide Impurity 10                       | VS-H001010 | N/A          |
| 11410 | Halcinonide Impurity 11                       | VS-H001011 | N/A          |
| 11411 | Halcinonide Impurity 12                       | VS-H001012 | N/A          |
| 11412 | Halcinonide Impurity 13                       | VS-H001013 | N/A          |
| 11413 | Halcinonide Impurity 14                       | VS-H001014 | N/A          |
| 11414 | Halcinonide Impurity 15                       | VS-H001015 | N/A          |
| 11415 | Halcinonide Impurity 16                       | VS-H001016 | N/A          |
| 11416 | Halcinonide Impurity 17                       | VS-H001017 | N/A          |
| 11417 | Halcinonide Impurity 18                       | VS-H001018 | N/A          |
| 11418 | Halcinonide Impurity 19                       | VS-H001019 | N/A          |
| 11419 | Halcinonide Impurity 20                       | VS-H001020 | N/A          |
| 11420 | Halobetasol                                   | VS-H002000 | 98651-66-2   |
| 11421 | Halobetasol Propionate                        | VS-H002001 | 66852-54-8   |
| 11422 | Halobetasol Dipropionate                      | VS-H002002 | 886204-51-9  |
| 11423 | Halobetasol 21-Mesylate diflorasone           | VS-H002003 | N/A          |
| 11424 | Halobetasol Propionate USP Related Compound B | VS-H002004 | 79861-38-4   |
| 11425 | Halobetasol Propionate USP Related Compound C | VS-H002005 | 181527-42-4  |
| 11426 | Halobetasol Propionate USP Related Compound D | VS-H002006 | 66852-61-7   |
| 11427 | Halobetasol Propionate USP Related Compound E | VS-H002007 | N/A          |
| 11428 | Halobetasol Propionate Impurity 1             | VS-H002008 | 924726-89-6  |
| 11429 | Halobetasol Propionate Impurity 2             | VS-H002009 | 541502-98-1  |
| 11430 | Halobetasol Propionate Impurity 3             | VS-H002010 | N/A          |
| 11431 | Halobetasol Propionate Impurity 4             | VS-H002011 | 84509-92-2   |
| 11432 | Halobetasol Propionate Impurity 5             | VS-H002012 | 912360-04-4  |
| 11433 | Halobetasol Impurity 6                        | VS-H002013 | N/A          |
| 11434 | Halobetasol Impurity 7                        | VS-H002014 | N/A          |
| 11435 | Halobetasol Impurity 8                        | VS-H002015 | N/A          |

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| 11436 | Halobetasol Impurity 9                  | VS-H002016 | N/A           |
| 11437 | Halobetasol Impurity 10                 | VS-H002017 | N/A           |
| 11438 | Haloperidol                             | VS-H003000 | 52-86-8       |
| 11439 | Haloperidol Hydrochloride               | VS-H003001 | 1511-16-6     |
| 11440 | Haloperidol Hydrobromide                | VS-H003002 | 3850-97-3     |
| 11441 | Haloperidol Sulfate salt                | VS-H003003 | 62265-40-1    |
| 11442 | Haloperidol EP Impurity A               | VS-H003004 | 12-04-09 0:00 |
| 11443 | Haloperidol EP Impurity A Hydrochloride | VS-H003005 | 4021-57-2     |
| 11444 | Haloperidol EP Impurity B               | VS-H003006 | 1391052-53-1  |
| 11445 | Haloperidol EP Impurity C               | VS-H003007 | 1391052-87-1  |
| 11446 | Haloperidol EP Impurity E               | VS-H003008 | 1391054-69-5  |
| 11447 | Haloperidol EP Impurity F               | VS-H003009 | 1391052-67-7  |
| 11448 | Haloperidol EP Impurity D               | VS-H003010 | 67987-08-0    |
| 11449 | Haloperidol N-Oxide Impurity            | VS-H003011 | 148406-51-3   |
| 11450 | 4-Fluorobenzoic acid                    | VS-H003012 | 456-22-4      |
| 11451 | Bromperidol                             | VS-H003013 | 10457-90-6    |
| 11452 | Bromperidol Hydrochloride               | VS-H003014 | 59453-24-6    |
| 11453 | N,C-Fluorophenylbutyryl Haloperidol     | VS-H003015 | N/A           |
| 11454 | N,O-Fluorophenylbutyryl Haloperidol     | VS-H003016 | N/A           |
| 11455 | trans-Haloperidol N-Oxide               | VS-H003017 | 150214-93-0   |
| 11456 | cis-Haloperidol N-Oxide                 | VS-H003018 | 150214-94-1   |
| 11457 | 4-Fluorobenzoic acid Sodium salt        | VS-H003019 | 499-90-1      |
| 11458 | 4-Fluorobenzoic acid Potassium salt     | VS-H003020 | 52509-80-5    |
| 11459 | Haloperidol Impurity 1                  | VS-H003021 | 939-52-6      |
| 11460 | Dehydrate Haloperidol                   | VS-H003022 | 52669-92-8    |
| 11461 | Haloperidol Impurity 3                  | VS-H003023 | 185626-66-8   |
| 11462 | Haloperidol Impurity 5                  | VS-H003024 | 51304-61-1    |
| 11463 | Haloperidol Impurity 6                  | VS-H003025 | 2097938-71-9  |
| 11464 | Haloperidol Impurity 7                  | VS-H003026 | 57390-39-3    |
| 11465 | Haloperidol Impurity 8                  | VS-H003027 | 3874-54-2     |
| 11466 | Haloperidol Impurity 9                  | VS-H003028 | 39512-49-7    |
| 11467 | Phenylperidol                           | VS-H003029 | 1347289-37-5  |
| 11468 | Haloperidol Impurity 11                 | VS-H003030 | 1348457-36-2  |
| 11469 | Haloperidol Impurity 12                 | VS-H003031 | NA            |
| 11470 | Haloperidol Decanoate                   | VS-H004000 | 74050-97-8    |
| 11471 | Haloperidol Decanoate N-Oxide           | VS-H004001 | N/A           |
| 11472 | Haloperidol Decanoate EP Impurity A     | VS-H004002 | N/A           |
| 11473 | Haloperidol Decanoate EP Impurity B     | VS-H004003 | N/A           |
| 11474 | Haloperidol Decanoate EP Impurity C     | VS-H004004 | N/A           |
| 11475 | Haloperidol Decanoate EP Impurity D     | VS-H004005 | 1797008-46-8  |
| 11476 | Haloperidol Decanoate EP Impurity E     | VS-H004006 | N/A           |
| 11477 | Haloperidol Decanoate EP Impurity F     | VS-H004007 | N/A           |
| 11478 | Haloperidol Decanoate EP Impurity H     | VS-H004008 | 1134807-34-3  |
| 11479 | Haloperidol Decanoate EP Impurity I     | VS-H004009 | 2512216-30-5  |
| 11480 | Haloperidol Decanoate EP Impurity J     | VS-H004010 | 1797983-18-6  |
| 11481 | Haloperidol Decanoate EP Impurity K     | VS-H004011 | 65135-24-2    |
| 11482 | Haloperidol Decanoate EP Impurity L     | VS-H004012 | 403-42-9      |

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| 11483 | Haloperidol Decanoate EP Impurity L Sulfate salt | VS-H004013 | 78950-40-0   |
| 11484 | Bromoperidol Decanoate                           | VS-H004014 | 75067-66-2   |
| 11485 | Haloperidol Decanoate Impurity 1                 | VS-H004015 | N/A          |
| 11486 | Haloperidol Decanoate N-Oxide Impurity 1         | VS-H004016 | N/A          |
| 11487 | Heliotrine                                       | VS-H005000 | 303-33-3     |
| 11488 | Heliotrine N-Oxide                               | VS-H005001 | 6209-65-0    |
| 11489 | Cytidine                                         | VS-H006001 | 65-46-3      |
| 11490 | 2'-Deoxycytidine                                 | VS-H006002 | 951-77-9     |
| 11491 | Uridine                                          | VS-H006003 | 58-96-8      |
| 11492 | Guanosine                                        | VS-H006004 | 118-00-3     |
| 11493 | 2'-Deoxyguanosine Monohydrate                    | VS-H006005 | 312693-72-4  |
| 11494 | 2'-Deoxyadenosine                                | VS-H006006 | 958-09-8     |
| 11495 | Uridine-5-diphosphocholine Sodium Salt           | VS-H006007 | N/A          |
| 11496 | Ethoxy Citicoline                                | VS-H006008 | N/A          |
| 11497 | Uridine-5-monophosphate Disodium Salt            | VS-H006009 | 3387-36-8    |
| 11498 | Cytidine-5-monophosphate Methyl Ester            | VS-H006010 | N/A          |
| 11499 | 3',5'-Anhydro Thymidine                          | VS-H006011 | 38313-48-3   |
| 11500 | 2'-Deoxyguanosine Hydrate                        | VS-H006012 | 207121-55-9  |
| 11501 | Hesperetin                                       | VS-H007000 | 520-33-2     |
| 11502 | rac-Hesperetin                                   | VS-H007001 | 69097-99-0   |
| 11503 | Neohesperidin                                    | VS-H007002 | 13241-33-3   |
| 11504 | rac Naringenin                                   | VS-H007003 | 67604-48-2   |
| 11505 | Hexamidine Diisethionate                         | VS-H008002 | 659-40-5     |
| 11506 | Hexamidine EP Impurity A                         | VS-H008003 | N/A          |
| 11507 | Hexamidine EP Impurity B                         | VS-H008004 | 2469554-78-5 |
| 11508 | Hexamidine EP Impurity C                         | VS-H008005 | N/A          |
| 11509 | Hexamidine EP Impurity D                         | VS-H008006 | 2514722-87-1 |
| 11510 | Histidine                                        | VS-H009000 | 71-00-1      |
| 11511 | Histidine EP Impurity A                          | VS-H009001 | 60-18-4      |
| 11512 | Anisodamine                                      | VS-H010000 | 17659-49-3   |
| 11513 | Hydralazine                                      | VS-H011000 | 86-54-4      |
| 11514 | Hydralazine Hydrochloride                        | VS-H011001 | 304-20-1     |
| 11515 | Hydralazine Lactose Impurity                     | VS-H011002 | N/A          |
| 11516 | Hydralazine Triazole Impurity                    | VS-H011003 | 234-80-0     |
| 11517 | 1-Aminophthalazine                               | VS-H011004 | 19064-69-8   |
| 11518 | Hydralazine Dimer Impurity                       | VS-H011005 | 24030-07-7   |
| 11519 | Hydralazine Impurity 1                           | VS-H011006 | N/A          |
| 11520 | Hydralazine Impurity 2                           | VS-H011007 | N/A          |
| 11521 | Hydralazine Impurity 3                           | VS-H011008 | 6091-81-2    |
| 11522 | Hydralazine Impurity 4                           | VS-H011009 | N/A          |
| 11523 | Hydralazine Impurity 5                           | VS-H011010 | 55294-87-6   |
| 11524 | Hydralazine Impurity 6                           | VS-H011011 | 59283-60-2   |
| 11525 | Hydralazine Impurity 7                           | VS-H011012 | 649765-80-0  |
| 11526 | Hydralazine Impurity 8                           | VS-H011013 | 24953-56-8   |
| 11527 | Hydralazine Impurity 9                           | VS-H011014 | N/A          |
| 11528 | Hydralazine Impurity 10                          | VS-H011015 | 749849-18-1  |
| 11529 | 3-Methyl-1,2,4-Triazolo [3,4-A] Phthalazine      | VS-H011016 | 20062-41-3   |

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| 11530 | Hydralazine N-Lactose                       | VS-H011017 | N/A         |
| 11531 | Hydralazine Impurity 11                     | VS-H011018 | 54687-66-0  |
| 11532 | Hydrochlorothiazide                         | VS-H012000 | 58-93-5     |
| 11533 | Hydrochlorothiazide EP Impurity A           | VS-H012001 | 58-94-6     |
| 11534 | Hydrochlorothiazide EP Impurity B           | VS-H012002 | 121-30-2    |
| 11535 | Hydrochlorothiazide EP Impurity C           | VS-H012003 | 402824-96-8 |
| 11536 | Hydrochlorothiazide 5-Chloro Impurity       | VS-H012004 | 5233-42-1   |
| 11537 | Hydrochlorothiazide Impurity 12             | VS-H012005 | 23141-82-4  |
| 11538 | 4-Nitroso Hydrochlorothiazide               | VS-H012006 | 63779-86-2  |
| 11539 | 17-Dehydro-21-Hydroxy Hydrocortisone        | VS-H012007 | 68473-77-8  |
| 11540 | N-Nitroso Hydrochlorothiazide EP Impurity C | VS-H012008 | NA          |
| 11541 | Hydrochlorothiazide Nitroso Impurity        | VS-H012009 | NA          |
| 11542 | Hydrocortisone                              | VS-H013000 | 50-23-7     |
| 11543 | Hydrocortisone EP Impurity A                | VS-H013001 | 50-24-8     |
| 11544 | Hydrocortisone EP Impurity B                | VS-H013002 | 53-06-5     |
| 11545 | Hydrocortisone EP Impurity C                | VS-H013003 | 50-03-3     |
| 11546 | Hydrocortisone EP Impurity D                | VS-H013004 | 53-35-0     |
| 11547 | Hydrocortisone EP Impurity E                | VS-H013005 | 600-99-7    |
| 11548 | Hydrocortisone EP Impurity F                | VS-H013006 | 152-58-9    |
| 11549 | Hydrocortisone EP Impurity G                | VS-H013007 | 14760-49-7  |
| 11550 | Hydrocortisone EP Impurity H                | VS-H013008 | N/A         |
| 11551 | Hydrocortisone EP Impurity I                | VS-H013009 | 103795-84-2 |
| 11552 | Hydrocortisone EP Impurity J                | VS-H013010 | 16463-74-4  |
| 11553 | Hydrocortisone EP Impurity K                | VS-H013011 | 640-87-9    |
| 11554 | Hydrocortisone EP Impurity L                | VS-H013012 | 641-77-0    |
| 11555 | Hydrocortisone EP Impurity M                | VS-H013013 | 566-35-8    |
| 11556 | Hydrocortisone EP Impurity N                | VS-H013014 | N/A         |
| 11557 | Hydrocortisone EP Impurity O                | VS-H013015 | 154032-37-8 |
| 11558 | Hydrocortisone Impurity A                   | VS-H013016 | 103228-51-9 |
| 11559 | Hydrocortisone Impurity B                   | VS-H013017 | 105562-12-7 |
| 11560 | Hydrocortisone Impurity C                   | VS-H013018 | 105562-13-8 |
| 11561 | Hydrocortisone Impurity D                   | VS-H013019 | 3331-69-9   |
| 11562 | Hydrocortisone Impurity E                   | VS-H013020 | N/A         |
| 11563 | Hydrocortisone Impurity F                   | VS-H013021 | N/A         |
| 11564 | Hydrocortisone Impurity G                   | VS-H013022 | N/A         |
| 11565 | Hydrocortisone Impurity H                   | VS-H013023 | 2394-25-4   |
| 11566 | Hydrocortisone Acetate EP Impurity C        | VS-H013024 | 52-21-1     |
| 11567 | Hydrocortisone Acetate EP Impurity D        | VS-H013025 | 50-04-4     |
| 11568 | Hydrocortisone Acetate EP Impurity E        | VS-H013026 | 7753-60-8   |
| 11569 | Hydrocortisone Acetate EP Impurity F        | VS-H013027 | 1250-97-1   |
| 11570 | Hydrocortisone Acetate EP Impurity G        | VS-H013028 | 81968-66-3  |
| 11571 | 6-Alpha Methyl Hydrocortisone               | VS-H013029 | 1625-39-4   |
| 11572 | Hydrocortisone 17-21 orthoester             | VS-H013030 | 13609-63-7  |
| 11573 | Hydrocortisone-21-Butyrate                  | VS-H013031 | 6677-99-2   |
| 11574 | 6 $\alpha$ -Hydroxy Cortisol                | VS-H013032 | 2242-98-0   |
| 11575 | 9(11)-Epoxide Hydrocortisone                | VS-H013033 | 10072-97-6  |
| 11576 | Cortisone Succinate Sodium Salt             | VS-H013034 | 7415-42-1   |



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| 11577 | Hydrocortisone 17-succinate                    | VS-H013035 | 220489-73-6  |
| 11578 | Hydrocortisone Sodium Phosphate                | VS-H013036 | 6000-74-4    |
| 11579 | Hydrocortisone-21-Valerate                     | VS-H013037 | 6678-00-8    |
| 11580 | Prednisolone-17-valerate                       | VS-H013038 | 15180-00-4   |
| 11581 | Prednisolone-21-valerate                       | VS-H013039 | 39791-31-6   |
| 11582 | hydrocortisone Glyoxal Hydrate Isomer 1        | VS-H013040 | 1960421-03-7 |
| 11583 | hydrocortisone Glyoxal Hydrate Isomer 2        | VS-H013041 | N/A          |
| 11584 | 11- $\beta$ -Hydroxyandrostenedione            | VS-H013042 | 382-44-5     |
| 11585 | Hydrocortisone Oxo Acetic Acid                 | VS-H013043 | 33762-00-4   |
| 11586 | 9 $\alpha$ -Bromohydrocortisone Acetate        | VS-H013044 | 50733-54-5   |
| 11587 | $\Delta$ 9(11)-Hydrocortisone 17-Valerate      | VS-H013045 | N/A          |
| 11588 | Hydrocortisone Un-Symmetrical dimer            | VS-H013046 | N/A          |
| 11589 | Hydrocortisone Hemisuccinate Impurity          | VS-H013047 | 10215-75-5   |
| 11590 | Hydrocortisone 21-hemisuccinate                | VS-H013048 | 2203-97-6    |
| 11591 | $\Delta$ 6 Hydrocortisone Hemisuccinate        | VS-H013049 | N/A          |
| 11592 | Cortienic Acid                                 | VS-H013050 | 3597-45-3    |
| 11593 | Hydrocortisone Cortienyl Aldehyde Impurity     | VS-H013051 | N/A          |
| 11594 | 6 $\alpha$ -Hydroxy-11-deoxycortisol           | VS-H013052 | 76941-54-3   |
| 11595 | Cortisone Hemisuccinate                        | VS-H013053 | N/A          |
| 11596 | 21-Deoxy Cortisone                             | VS-H013054 | 1882-82-2    |
| 11597 | 9 alpha hydroxyl Hydrocortisone acetate        | VS-H013055 | 50733-56-7   |
| 11598 | 3-Enol Ether Cortisone Acetate                 | VS-H013056 | 1852-65-9    |
| 11599 | Delta 6,7 Cortisone Acetate                    | VS-H013057 | 435-02-1     |
| 11600 | Delta 8,9 Cortisone Acetate                    | VS-H013058 | 1856-26-4    |
| 11601 | Hydrocortisone 17-Butyrate 3-Enol Methyl Ether | VS-H013059 | N/A          |
| 11602 | Hydrocortisone Impurity 1                      | VS-H013060 | N/A          |
| 11603 | Hydrocortisone Impurity 2                      | VS-H013061 | N/A          |
| 11604 | Hydrocortisone Impurity 3                      | VS-H013062 | N/A          |
| 11605 | Hydrocortisone Valerate Impurity 3             | VS-H013063 | N/A          |
| 11606 | Hydrocortisone Impurity 4                      | VS-H013064 | 97154-36-4   |
| 11607 | Hydrocortisone Impurity 5                      | VS-H013065 | N/A          |
| 11608 | Hydrocortisone Impurity 6                      | VS-H013066 | N/A          |
| 11609 | Hydrocortisone Impurity 7                      | VS-H013067 | N/A          |
| 11610 | Hydrocortisone Impurity 8                      | VS-H013068 | N/A          |
| 11611 | Hydrocortisone Impurity 9                      | VS-H013069 | 103497-66-1  |
| 11612 | Hydrocortisone 17-Propionate                   | VS-H013070 | 65980-97-4   |
| 11613 | Hydrocortisone Acetate                         | VS-H013071 | 50-03-3      |
| 11614 | Hydroflumethiazide                             | VS-H014000 | 135-09-1     |
| 11615 | Dihydroquinine                                 | VS-H015001 | 522-66-7     |
| 11616 | Phytyl trimethylhydroquinone diacetate         | VS-H015002 | 85314-71-2   |
| 11617 | Hydroquinone                                   | VS-H015003 | 123-31-9     |
| 11618 | Hydroxocobalamin                               | VS-H016000 | 13422-51-0   |
| 11619 | Hydroxocobalamin Acetate                       | VS-H016001 | 22465-48-1   |
| 11620 | Nitritocobalamin                               | VS-H016002 | 20623-13-6   |
| 11621 | Hydroxychloroquine                             | VS-H017000 | 118-42-3     |
| 11622 | Hydroxychloroquine Sulfate                     | VS-H017001 | 747-36-4     |
| 11623 | Hydroxychloroquine EP Impurity A               | VS-H017002 | 1449223-88-4 |

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| 11624 | Hydroxychloroquine Sulfate EP Impurity B       | VS-H017003 | 103152-84-7   |
| 11625 | Hydroxychloroquine USP Related Impurity B      | VS-H017004 | 47493-14-1    |
| 11626 | Hydroxychloroquine EP Impurity C               | VS-H017005 | 4298-15-1     |
| 11627 | Hydroxychloroquine Sulfate EP Impurity C       | VS-H017006 | 159358-29-9   |
| 11628 | Hydroxychloroquine EP Impurity D               | VS-H017007 | 1476-52-4     |
| 11629 | Hydroxychloroquine EP Impurity D Hydrochloride | VS-H017008 | 11-07-98 0:00 |
| 11630 | Hydroxychloroquine EP Impurity E               | VS-H017009 | 10500-64-8    |
| 11631 | Hydroxychloroquine EP Impurity E Hydrochloride | VS-H017010 | 04-02-56 0:00 |
| 11632 | Hydroxychloroquine EP impurity F               | VS-H017011 | 6281-58-9     |
| 11633 | Hydroxychloroquine EP impurity F Hydrochloride | VS-H017012 | N/A           |
| 11634 | Hydroxychloroquine EP Impurity G               | VS-H017013 | 86-98-6       |
| 11635 | Hydroxychloroquine EP Impurity G Hydrochloride | VS-H017014 | 1198-39-6     |
| 11636 | Hydroxychloroquine EP Impurity G Hydrobromide  | VS-H017015 | 863028-21-1   |
| 11637 | Hydroxychloroquine Impurity E                  | VS-H017016 | N/A           |
| 11638 | Hydroxychloroquine Impurity I                  | VS-H017017 | N/A           |
| 11639 | Hydroxychloroquine N-desethyl Impurity         | VS-H017018 | N/A           |
| 11640 | Hydroxychloroquine R-isomer Impurity           | VS-H017019 | 137433-23-9   |
| 11641 | Hydroxychloroquine S-isomer Impurity           | VS-H017020 | 137433-24-0   |
| 11642 | Hydroxychloroquine 3-Bromo Impurity            | VS-H017021 | 2054859-08-2  |
| 11643 | Hydroxychloroquine Acid                        | VS-H017022 | 645406-24-2   |
| 11644 | Hydroxychloroquine O-Sulfate Sodium            | VS-H017023 | N/A           |
| 11645 | Hydroxychloroquine Diethanol                   | VS-H017024 | 103396-22-1   |
| 11646 | 7-Chloro-3-iodo Hydroxychloroquine             | VS-H017025 | 161618-30-0   |
| 11647 | N-Chloromethyl Hydroxychloroquine              | VS-H017026 | 1159208-89-5  |
| 11648 | 3-Cyclopropyl Hydroxychloroquine               | VS-H017027 | 2054859-10-6  |
| 11649 | 5,7-Dichloro Hydroxychloroquine                | VS-H017028 | 2054858-98-7  |
| 11650 | 3,7-Dichloro Hydroxychloroquine                | VS-H017029 | 2054858-86-3  |
| 11651 | 6,7-Dichloro Hydroxychloroquine                | VS-H017030 | 2054859-04-8  |
| 11652 | 7-Fluoro Hydroxychloroquine                    | VS-H017031 | 478784-65-5   |
| 11653 | N-(Glycoloyloxy)-succinimide                   | VS-H017032 | 19374-87-9    |
| 11654 | Hydroxyquinolinecarbonitrile                   | VS-H017033 | 2054858-84-1  |
| 11655 | N-Propiononitrile Hydroxychloroquine           | VS-H017034 | 1606176-76-4  |
| 11656 | 3-Trifluoromethyl Hydroxychloroquine           | VS-H017035 | 2054858-88-5  |
| 11657 | N-Nitroso-Hydroxychloroquine                   | VS-H017036 | N/A           |
| 11658 | Hydroxychloroquine O-Acetate                   | VS-H017037 | N/A           |
| 11659 | Hydroxychloroquine Impurity 1                  | VS-H017038 | 2518282-96-5  |
| 11660 | Hydroxychloroquine Impurity 2                  | VS-H017039 | N/A           |
| 11661 | Hydroxychloroquine Impurity 3                  | VS-H017040 | 2411340-31-1  |
| 11662 | Hydroxychloroquine Impurity 4                  | VS-H017041 | 21617-12-9    |
| 11663 | Hydroxychloroquine Impurity 5                  | VS-H017042 | 159346-86-8   |
| 11664 | Hydroxychloroquine Impurity 6                  | VS-H017043 | N/A           |
| 11665 | Hydroxychloroquine Impurity 7                  | VS-H017044 | 927-55-9      |
| 11666 | Hydroxychloroquine Impurity 8                  | VS-H017045 | N/A           |
| 11667 | Hydroxychloroquine Impurity 9                  | VS-H017046 | 86-47-5       |
| 11668 | Hydroxychloroquine Impurity 10                 | VS-H017047 | 860544-46-3   |
| 11669 | Hydroxychloroquine Impurity 11                 | VS-H017048 | 630067-21-9   |
| 11670 | Hydroxychloroquine Impurity 12                 | VS-H017049 | N/A           |

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| 11671 | Hydroxychloroquine Impurity 13      | VS-H017050 | 2411340-32-2 |
| 11672 | Hydroxychloroquine Impurity 14      | VS-H017051 | N/A          |
| 11673 | Hydroxychloroquine Impurity 15      | VS-H017052 | 91911-59-0   |
| 11674 | Hydroxychloroquine Impurity 16      | VS-H017053 | 2512202-70-7 |
| 11675 | Hydroxyzine                         | VS-H018000 | 68-88-2      |
| 11676 | Hydroxyzine Dihydrochloride         | VS-H018001 | 2192-20-3    |
| 11677 | Hydroxyzine EP Impurity A           | VS-H018002 | 303-26-4     |
| 11678 | Hydroxyzine EP Impurity B           | VS-H018003 | 3733-63-9    |
| 11679 | Hydroxyzine EP Impurity B (HCl)     | VS-H018004 | 1263283-80-2 |
| 11680 | Hydroxyzine Acetate                 | VS-H018005 | N/A          |
| 11681 | Hydroxyzine N-Oxide                 | VS-H018006 | 2469273-48-9 |
| 11682 | Hydroxyzine Impurity 1              | VS-H018007 | 85293-16-9   |
| 11683 | Hydroxyzine Impurity 2              | VS-H018008 | 346451-15-8  |
| 11684 | Hydroxyzine Impurity 4              | VS-H018009 | N/A          |
| 11685 | Hydroxyzine Impurity 5              | VS-H018010 | 109806-71-5  |
| 11686 | Hydroxyzine Impurity 6              | VS-H018011 | 13073-96-6   |
| 11687 | Hydroxyzine Impurity 7              | VS-H018012 | N/A          |
| 11688 | Hydroxyzine Impurity 8              | VS-H018013 | N/A          |
| 11689 | Hydroxyzine Impurity 9              | VS-H018014 | 1031-92-1    |
| 11690 | Hydroxyzine Impurity 10             | VS-H018015 | N/A          |
| 11691 | Hydroxyzine Impurity 11             | VS-H018016 | N/A          |
| 11692 | Hydroxyzine Impurity 12             | VS-H018017 | 628-89-7     |
| 11693 | Hydroxyzine Impurity 13             | VS-H018018 | N/A          |
| 11694 | N-Nitroso Hydroxyzine Impurity      | VS-H018019 | 01-04-05     |
| 11695 | Hydroxyzine Related Compound A      | VS-H018020 | 303-26-4     |
| 11696 | Decloxizine                         | VS-H018021 | 3733-63-9    |
| 11697 | Hydroxyzine Impurity 14             | VS-H018022 | 134-85-0     |
| 11698 | Hydroxyzine Pamoate                 | VS-H018023 | 10246-75-0   |
| 11699 | Hyoscine Butylbromide               | VS-H019000 | 149-64-4     |
| 11700 | Scopolamine Glucuronide             | VS-H019001 | 17660-02-5   |
| 11701 | Scopolamine N-Oxide                 | VS-H019002 | 97-75-6      |
| 11702 | Scopolamine Sulfate                 | VS-H019003 | 866926-81-0  |
| 11703 | Ethyl Tropic Acid                   | VS-H019004 | 3979-14-4    |
| 11704 | Norscopolamine                      | VS-H019005 | 4684-28-0    |
| 11705 | Hyoscine Butylbromide EP Impurity A | VS-H019006 | 51-34-3      |
| 11706 | Hyoscine Butylbromide EP Impurity B | VS-H019007 | 552-63-6     |
| 11707 | Hyoscine Butylbromide EP Impurity C | VS-H019008 | 155-41-9     |
| 11708 | Hyoscine Butylbromide EP Impurity D | VS-H019009 | N/A          |
| 11709 | Hyoscine Butylbromide EP Impurity E | VS-H019010 | N/A          |
| 11710 | Hyoscine Butylbromide EP Impurity F | VS-H019011 | N/A          |
| 11711 | Hyoscine Butylbromide EP Impurity G | VS-H019012 | N/A          |
| 11712 | Hyoscine Butylbromide EP Impurity H | VS-H019013 | N/A          |
| 11713 | Hyoscine Butylbromide Impurity B    | VS-H019014 | 529-64-6     |
| 11714 | Propylhyoscine                      | VS-H019015 | N/A          |
| 11715 | N-Methylaposcopolammonium Bromide   | VS-H019016 | 109668-57-7  |
| 11716 | N-Butyl Scopolamine Bromide         | VS-H019017 | 2030294-83-6 |
| 11717 | Atroscine                           | VS-H019018 | 138-12-5     |

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| 11718 | Hyoscyamine                                    | VS-H020000 | 101-31-5      |
| 11719 | Hyoscyamine Related Compound A                 | VS-H020001 | 537-29-1      |
| 11720 | Hesperidin                                     | VS-H021000 | 520-26-3      |
| 11721 | Hesperetin 7-O-rutinoside                      | VS-H021001 | 64726-90-5    |
| 11722 | Hesperetin 3-O-B-D-Glucuronide                 | VS-H021002 | 150985-66-3   |
| 11723 | Hesperetin-7-O-B-D-Glucuronide                 | VS-H021003 | 67322-08-1    |
| 11724 | Hederacoside C                                 | VS-H022000 | 14216-03-6    |
| 11725 | Halofuginone Lactate                           | VS-H023000 | 82186-71-8    |
| 11726 | Harpagoside                                    | VS-H024000 | 19210-12-9    |
| 11727 | Hexetidine                                     | VS-H025000 | 141-94-6      |
| 11728 | Hexetidine EP Impurity A                       | VS-H025001 | 188655-38-1   |
| 11729 | Hexetidine EP Impurity B                       | VS-H025002 | 3687-16-9     |
| 11730 | Hexetidine EP Impurity C                       | VS-H025003 | 5980-31-4     |
| 11731 | Hexetidine EP Impurity D                       | VS-H025004 | 81-04-9       |
| 11732 | Hidiosmin                                      | VS-H026000 | 115960-14-0   |
| 11733 | Homatropine                                    | VS-H027000 | 87-00-3       |
| 11734 | Homatropine Hydrobromide EP Impurity A Bromide | VS-H027001 | NA            |
| 11735 | Homatropine Hydrobromide EP Impurity B         | VS-H027002 | 51-34-3       |
| 11736 | Homatropine Hydrobromide EP Impurity C         | VS-H027003 | 90-64-2       |
| 11737 | Homatropine Hydrobromide EP Impurity D         | VS-H027004 | NA            |
| 11738 | Homatropine Methylbromide                      | VS-H027005 | 80-49-9       |
| 11739 | Dehydro Homatropine                            | VS-H027006 | NA            |
| 11740 | Hyoscine Hydrobromide                          | VS-H028000 | 6533-68-2     |
| 11741 | Hyoscine Hydrobromide EP impurity A            | VS-H028001 | 101-31-5      |
| 11742 | Hyoscine Hydrobromide EP impurity B            | VS-H028002 | 4684-28-0     |
| 11743 | Hyoscine Hydrobromide EP impurity C            | VS-H028003 | 535-26-2      |
| 11744 | Hyoscine Hydrobromide EP impurity D            | VS-H028004 | 17126-67-9    |
| 11745 | Hymecromone                                    | VS-H029000 | 90-33-5       |
| 11746 | Hymecromone EP Impurity A                      | VS-H029001 | 108-46-3      |
| 11747 | Hymecromone EP Impurity B                      | VS-H029002 | 6320-42-9     |
| 11748 | 4-Methylumbelliferone-13C4                     | VS-H029003 | 1569304-40-0  |
| 11749 | Hypromellose                                   | VS-H030000 | 9004-65-3     |
| 11750 | Ibandronate Sodium Monohydrate                 | VS-I001001 | 138926-19-9   |
| 11751 | Ibandronate EP Impurity A                      | VS-I001002 | 287395-61-3   |
| 11752 | Ibandronate EP Impurity B                      | VS-I001003 | 905808-25-5   |
| 11753 | Ibandronate Impurity 1                         | VS-I001004 | 919491-64-8   |
| 11754 | Ibandronate Impurity 2                         | VS-I001005 | 76257-73-3    |
| 11755 | Ibandronate Impurity 3                         | VS-I001006 | N/A           |
| 11756 | Ibandronate Impurity 4                         | VS-I001007 | 1797984-36-1  |
| 11757 | Ibandronate Impurity 5                         | VS-I001008 | N/A           |
| 11758 | Ibandronate Impurity 6                         | VS-I001009 | N/A           |
| 11759 | Ibandronate Impurity 7                         | VS-I001010 | 10-01-25 0:00 |
| 11760 | Ibandronate Impurity 8                         | VS-I001011 | 25419-06-1    |
| 11761 | Ibandronate Impurity 9                         | VS-I001012 | 744266-99-7   |
| 11762 | IBANDRONAT SODIUM IMPURITY Z                   | VS-I001013 | 625120-81-2   |
| 11763 | Ibandronate Impurity 10                        | VS-I001014 | NA            |
| 11764 | Ibandronate Impurity 11                        | VS-I001015 | NA            |

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| 11765 | Ibrutinib                                                                                                              | VS-I002000 | 936563-96-1  |
| 11766 | Ibrutinib N1-Oxide                                                                                                     | VS-I002001 | 2437254-47-0 |
| 11767 | N6-Acryloyl Ibrutinib                                                                                                  | VS-I002002 | 2031255-27-1 |
| 11768 | N1-(2-Carboxyethyl) Ibrutinib                                                                                          | VS-I002003 | N/A          |
| 11769 | N6-(2-Carboxyethyl) Ibrutinib                                                                                          | VS-I002004 | N/A          |
| 11770 | N-Desacryloyl N-(3-Acryloyl-propanoyl) Ibrutinib                                                                       | VS-I002005 | 2244619-11-0 |
| 11771 | rac-N-Desacryloyl N-Propionyl Ibrutinib                                                                                | VS-I002006 | N/A          |
| 11772 | (R)-N-Desacryloyl N-Propionyl Ibrutinib                                                                                | VS-I002007 | 1839099-22-7 |
| 11773 | Dihydrodiol Ibrutinib                                                                                                  | VS-I002008 | 1654820-87-7 |
| 11774 | (S)-Ibrutinib                                                                                                          | VS-I002009 | 936563-97-2  |
| 11775 | 3-(4-Phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine                                                                | VS-I002010 | 330786-24-8  |
| 11776 | (R)-3-(4-Phenoxyphenyl)-1-(piperidin-3-yl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine                                         | VS-I002011 | 1022150-12-4 |
| 11777 | Namino-{3-[(R)-1-(3-(4-Amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl]-propionyl} Ibrutinib | VS-I002013 | N/A          |
| 11778 | Ibrutinib Dimer Impurity-I                                                                                             | VS-I002014 | 2031255-23-7 |
| 11779 | Ibrutinib Hydroxy Impurity                                                                                             | VS-I002015 | 2031255-24-8 |
| 11780 | Ibrutinib Methoxy Impurity                                                                                             | VS-I002016 | 2031255-26-0 |
| 11781 | Ibrutinib Dimer Impurity-II                                                                                            | VS-I002017 | 2540665-98-1 |
| 11782 | Ibrutinib Impurity 1                                                                                                   | VS-I002018 | N/A          |
| 11783 | Ibrutinib Diamide Impurity                                                                                             | VS-I002019 | 1917333-91-5 |
| 11784 | Ibrutinib Impurity 3                                                                                                   | VS-I002020 | 2064175-43-3 |
| 11785 | Ibrutinib Impurity 4                                                                                                   | VS-I002021 | 2064175-44-4 |
| 11786 | Ibrutinib Impurity 5                                                                                                   | VS-I002022 | N/A          |
| 11787 | Ibrutinib Impurity 6                                                                                                   | VS-I002023 | N/A          |
| 11788 | Ibrutinib Impurity 7                                                                                                   | VS-I002024 | 2213398-75-3 |
| 11789 | Ibrutinib Impurity 8                                                                                                   | VS-I002025 | 936563-92-7  |
| 11790 | Ibrutinib Impurity 9                                                                                                   | VS-I002026 | 1288338-95-3 |
| 11791 | Ibrutinib Impurity 10                                                                                                  | VS-I002027 | 1987905-93-0 |
| 11792 | Ibrutinib Impurity 11                                                                                                  | VS-I002028 | 1288338-96-4 |
| 11793 | Ibrutinib Impurity 12                                                                                                  | VS-I002029 | 2417548-76-4 |
| 11794 | Ibrutinib Impurity 13                                                                                                  | VS-I002030 | N/A          |
| 11795 | Ibrutinib Impurity 14                                                                                                  | VS-I002031 | N/A          |
| 11796 | Ibrutinib Amino piperidine Impurity                                                                                    | VS-I002032 | 1701403-10-2 |
| 11797 | Ibrutinib Dimer Impurity-III                                                                                           | VS-I002033 | N/A          |
| 11798 | Ibrutinib Di-Piperidine Impurity                                                                                       | VS-I002034 | N/A          |
| 11799 | Ibrutinib Impurity A (2HCl)                                                                                            | VS-I002035 | 1701403-10-2 |
| 11800 | Ibrutinib Impurity D                                                                                                   | VS-I002036 | 1839099-22-7 |
| 11801 | Ibrutinib Dimer 2                                                                                                      | VS-I002037 | 2417548-83-3 |
| 11802 | Rac Ibuprofen                                                                                                          | VS-I003000 | 15687-27-1   |
| 11803 | Ibuprofen EP Impurity A                                                                                                | VS-I003001 | 66622-47-7   |
| 11804 | Ibuprofen EP Impurity B                                                                                                | VS-I003002 | 3585-49-7    |
| 11805 | Ibuprofen EP Impurity C                                                                                                | VS-I003003 | 59512-17-3   |
| 11806 | Ibuprofen EP Impurity D                                                                                                | VS-I003004 | 938-94-3     |
| 11807 | Ibuprofen EP Impurity E                                                                                                | VS-I003005 | 38861-78-8   |
| 11808 | Ibuprofen EP Impurity F                                                                                                | VS-I003006 | 65322-85-2   |
| 11809 | Ibuprofen EP Impurity G                                                                                                | VS-I003007 | 1391054-15-1 |

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| 11810 | Ibuprofen EP Impurity H                                                     | VS-I003008 | 2143535-25-3 |
| 11811 | Ibuprofen EP Impurity I                                                     | VS-I003009 | 2143535-26-4 |
| 11812 | Ibuprofen EP Impurity J                                                     | VS-I003010 | 65813-55-0   |
| 11813 | Ibuprofen EP Impurity K                                                     | VS-I003011 | 43153-07-7   |
| 11814 | Ibuprofen EP Impurity L                                                     | VS-I003012 | 53949-53-4   |
| 11815 | Ibuprofen EP Impurity M                                                     | VS-I003013 | 60057-62-7   |
| 11816 | Ibuprofen EP Impurity N                                                     | VS-I003014 | 3585-52-2    |
| 11817 | Ibuprofen EP Impurity O                                                     | VS-I003015 | 64451-76-9   |
| 11818 | Ibuprofen EP Impurity P                                                     | VS-I003016 | 36039-36-8   |
| 11819 | Ibuprofen EP Impurity Q                                                     | VS-I003017 | 36039-35-7   |
| 11820 | Ibuprofen EP Impurity R                                                     | VS-I003018 | 102120-87-6  |
| 11821 | 4-N-Propylphenyl)Propanoic Acid                                             | VS-I003019 | 3585-47-5    |
| 11822 | 2-(4-Isobutylphenyl)propanal                                                | VS-I003020 | 51407-46-6   |
| 11823 | rac 2-Hydroxy Ibuprofen                                                     | VS-I003021 | 51146-55-5   |
| 11824 | Hydroxy Ibuprofen                                                           | VS-I003022 | 53949-54-5   |
| 11825 | rac-Ibuprofen Carboxymethyl Ester                                           | VS-I003023 | 1797132-75-2 |
| 11826 | (S)-(+)-Ibuprofen Propylene Glycol Ester                                    | VS-I003024 | 95093-58-6   |
| 11827 | 1,2 Dihydroxy Ibuprofen                                                     | VS-I003025 | 1253593-61-1 |
| 11828 | Ibuprofen Sorbitol Ester                                                    | VS-I003026 | N/A          |
| 11829 | Dihydroxy Ibuprofen                                                         | VS-I003027 | N/A          |
| 11830 | 1-Ethyl-4-Isobutylbenzene                                                   | VS-I003028 | 100319-40-2  |
| 11831 | PEG-Ibuprofen Ester                                                         | VS-I003029 | N/A          |
| 11832 | Ibuprofen Methyl Ester                                                      | VS-I003030 | 61566-34-5   |
| 11833 | Ibuprofen PEG-diester Impurity                                              | VS-I003031 | N/A          |
| 11834 | Ibuprofen Sorbitan Ester                                                    | VS-I003032 | N/A          |
| 11835 | p-Isobutylstyrene                                                           | VS-I003033 | 63444-56-4   |
| 11836 | 4-Isobutylbenzoic Acid                                                      | VS-I003034 | 38861-88-0   |
| 11837 | (R,R)-N-(1-Phenylethyl) Ibuprofen Amide                                     | VS-I003035 | 121734-80-3  |
| 11838 | (S,S)-N-(1-Phenylethyl) Ibuprofen Amide                                     | VS-I003036 | 81576-52-5   |
| 11839 | Ibuprofen 2,3-Butylene Glycol Ester                                         | VS-I003037 | 95093-59-7   |
| 11840 | (R,S)-N-(1-Phenylethyl) Ibuprofen Amide                                     | VS-I003038 | 121734-79-0  |
| 11841 | (S,R)-N-(1-Phenylethyl) Ibuprofen Amide                                     | VS-I003039 | 81576-47-8   |
| 11842 | Ibuprofen 1,3-Butylene Glycol Esters (Mixture of Regio- and Stereoisomers)  | VS-I003040 | N/A          |
| 11843 | Ibuprofen 1,2-Propylene Glycol Esters (Mixture of Regio- and Stereoisomers) | VS-I003041 | N/A          |
| 11844 | Ibuprofen 1,2,3-Propanetriol Esters (Mixture of Regio- and Stereoisomers)   | VS-I003042 | N/A          |
| 11845 | Ibuprofen Ester Impurity                                                    | VS-I003043 | 1161014-75-0 |
| 11846 | (R)-(-)-Ibuprofen                                                           | VS-I003044 | 51146-57-7   |
| 11847 | Ibuprofen (S)-Isomer                                                        | VS-I003045 | 51146-56-6   |
| 11848 | Ibuprofen Impurity 1                                                        | VS-I003046 | 75625-99-9   |
| 11849 | Ibuprofen Impurity 2                                                        | VS-I003047 | 67381-50-4   |
| 11850 | Ibuprofen Impurity 3                                                        | VS-I003048 | 15935-54-3   |
| 11851 | Ibuprofen Impurity 4                                                        | VS-I003049 | 1571147-05-1 |
| 11852 | Ibuprofen Impurity 5                                                        | VS-I003050 | N/A          |
| 11853 | Ibuprofen Impurity 6                                                        | VS-I003051 | N/A          |

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| 11854 | Ibuprofen Impurity 7               | VS-I003052 | 1314907-71-5 |
| 11855 | Ibuprofen Impurity 8               | VS-I003053 | N/A          |
| 11856 | Ibuprofen Impurity 9               | VS-I003054 | 35982-04-8   |
| 11857 | Ibuprofen Impurity 10              | VS-I003055 | 877612-13-0  |
| 11858 | Ibuprofen Impurity 11              | VS-I003056 | 1780606-12-3 |
| 11859 | Ibuprofen Impurity 12              | VS-I003057 | 40150-92-3   |
| 11860 | Ibuprofen Impurity 13              | VS-I003058 | 64622-21-5   |
| 11861 | Ibuprofen Impurity 14              | VS-I003059 | N/A          |
| 11862 | Ibuprofen Impurity 15              | VS-I003060 | N/A          |
| 11863 | Ibuprofen Impurity 16              | VS-I003061 | 103931-20-0  |
| 11864 | Ibuprofen Impurity 17              | VS-I003062 | 72846-62-9   |
| 11865 | Ibuprofen Impurity 18              | VS-I003063 | 1823308-53-7 |
| 11866 | Ibuprofen Impurity 19              | VS-I003064 | 58609-73-7   |
| 11867 | Ibuprofen Impurity 20              | VS-I003065 | 586-89-0     |
| 11868 | Ibuprofen Impurity 21              | VS-I003066 | 1261642-35-6 |
| 11869 | Ibuprofen Lysinate                 | VS-I003067 | 57469-77-9   |
| 11870 | Ibuprofen Impurity 22              | VS-I003068 | 143667-36-1  |
| 11871 | Ibutilide Fumarate                 | VS-I004001 | 122647-32-9  |
| 11872 | Ibutilide USP Related Compound A   | VS-I004002 | 100632-58-4  |
| 11873 | Ibutilide USP Related Compound B   | VS-I004003 | 160087-98-9  |
| 11874 | Ibutilide Impurity 1               | VS-I004004 | 100632-59-5  |
| 11875 | Icatibant Acetate                  | VS-I005001 | 138614-30-9  |
| 11876 | Des-Arg (1)-Icatibant Impurity     | VS-I005002 | N/A          |
| 11877 | Oxi Tic Icatibant (8-10)           | VS-I005003 | N/A          |
| 11878 | Icatibant Impurity 1               | VS-I005004 | N/A          |
| 11879 | Icatibant Impurity 2               | VS-I005005 | N/A          |
| 11880 | Icatibant Impurity 3               | VS-I005006 | N/A          |
| 11881 | Icatibant Impurity 4               | VS-I005007 | 103733-65-9  |
| 11882 | Icatibant Impurity 5               | VS-I005008 | 259882-53-6  |
| 11883 | Icatibant Impurity 6               | VS-I005009 | N/A          |
| 11884 | Icatibant Impurity 7               | VS-I005010 | N/A          |
| 11885 | Icatibant Impurity 8               | VS-I005011 | N/A          |
| 11886 | Idarubicin Hydrochloride           | VS-I006001 | 57852-57-0   |
| 11887 | Idarubicin Aglycone                | VS-I006002 | 60660-75-5   |
| 11888 | Dianhydro Idarubicinaglycone       | VS-I006003 | 84499-12-7   |
| 11889 | Idarubicin Impurity 1              | VS-I006004 | N/A          |
| 11890 | Idarubicin Impurity 2              | VS-I006005 | N/A          |
| 11891 | Idarubicin Impurity 3              | VS-I006006 | N/A          |
| 11892 | Idarubicin Impurity 4              | VS-I006007 | 85440-44-4   |
| 11893 | Idarubicin Impurity 5              | VS-I006008 | 85440-46-6   |
| 11894 | Idarubicin Impurity 6              | VS-I006009 | 60660-72-2   |
| 11895 | Idelalisib                         | VS-I007001 | 870281-82-6  |
| 11896 | Idelalisib IDL-III                 | VS-I007002 | 870281-86-0  |
| 11897 | Idelalisib Open ring IDL-III       | VS-I007003 | 2118246-54-9 |
| 11898 | Open ring Idelalisib               | VS-I007004 | 2118246-55-0 |
| 11899 | 2-amino-6-fluoro-N-phenylbenzamide | VS-I007005 | 1417456-04-2 |
| 11900 | Desfluoro Idelalisib               | VS-I007006 | 870281-74-6  |

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| 11901 | Idelalisib IDL-III Adduct              | VS-I007007 | N/A          |
| 11902 | Idelalisib Enatiomeric Impurity        | VS-I007008 | 2184933-01-3 |
| 11903 | Ifosfamide                             | VS-I008000 | 3778-73-2    |
| 11904 | Ifosfamide Impurity A                  | VS-I008001 | 22608-58-8   |
| 11905 | Ifosfamide Impurity B                  | VS-I008002 | 241482-18-8  |
| 11906 | Ifosfamide Impurity C                  | VS-I008003 | 870-24-6     |
| 11907 | Ifosfamide Impurity D                  | VS-I008004 | 141-43-5     |
| 11908 | Ifosfamide Impurity E                  | VS-I008005 | 42453-19-0   |
| 11909 | Ifosfamide Impurity F                  | VS-I008006 | 40722-73-4   |
| 11910 | Ifosfamide Impurity 1                  | VS-I008007 | 119670-13-2  |
| 11911 | Ifosfamide Impurity 2                  | VS-I008008 | N/A          |
| 11912 | Ifosfamide Dechloroacylated Impurity   | VS-I008009 | N/A          |
| 11913 | Ifosfamide Dechloro Impurity           | VS-I008010 | 1673581-55-9 |
| 11914 | Ilaprazole                             | VS-I009000 | 172152-36-2  |
| 11915 | Ilaprazole Impurity 1                  | VS-I009001 | 1018229-53-2 |
| 11916 | Ilaprazole Impurity 2                  | VS-I009002 | N/A          |
| 11917 | Ilaprazole Impurity A                  | VS-I009003 | 2285346-44-1 |
| 11918 | Ilaprazole Impurity B                  | VS-I009004 | NA           |
| 11919 | Ilaprazole Impurity C                  | VS-I009005 | 172152-37-3  |
| 11920 | Ilaprazole Impurity D                  | VS-I009006 | 172152-35-1  |
| 11921 | Iloperidone                            | VS-I010000 | 133454-47-4  |
| 11922 | Iloperidone (R)-Hydroxy Impurity       | VS-I010001 | 501373-87-1  |
| 11923 | Iloperidone (S)-Hydroxy Impurity       | VS-I010002 | 501373-88-2  |
| 11924 | Iloperidone Carboxylic Acid            | VS-I010003 | 475110-48-6  |
| 11925 | Iloperidone Chloropropoxy Impurity     | VS-I010004 | 58113-30-7   |
| 11926 | Iloperidone Desfluoro Impurity         | VS-I010005 | 133454-46-3  |
| 11927 | Iloperidone Diketo Impurity            | VS-I010006 | 170170-50-0  |
| 11928 | Iloperidone Hydroxy Impurity           | VS-I010007 | 133454-55-4  |
| 11929 | Iloperidone Hydroxypropoxy Impurity    | VS-I010008 | 207298-39-3  |
| 11930 | Iloperidone N-Oxide                    | VS-I010009 | 1375651-09-4 |
| 11931 | Iloperidone Piperidine Impurity        | VS-I010010 | 84163-77-9   |
| 11932 | Iloperidone Metabolite P88 Glucuronide | VS-I010011 | N/A          |
| 11933 | Iloperidone Metabolite P88 N-Oxide     | VS-I010012 | 1797883-91-0 |
| 11934 | Iloperidone Dimer Impurity             | VS-I010013 | 2514619-99-7 |
| 11935 | Iloperidone Impurity                   | VS-I010014 | 1375651-23-2 |
| 11936 | Iloperidone Impurity 2                 | VS-I010015 | 1309041-89-1 |
| 11937 | Iloperidone Impurity 4                 | VS-I010016 | 133455-04-6  |
| 11938 | Iloperidone Impurity 5                 | VS-I010017 | N/A          |
| 11939 | Iloperidone Impurity 6                 | VS-I010018 | N/A          |
| 11940 | Iloperidone Impurity 7                 | VS-I010019 | N/A          |
| 11941 | Iloperidone Impurity 8                 | VS-I010020 | N/A          |
| 11942 | Iloperidone Impurity 9                 | VS-I010021 | 691007-07-5  |
| 11943 | Iloperidone Impurity 10                | VS-I010022 | N/A          |
| 11944 | Iloperidone Impurity 11                | VS-I010023 | N/A          |
| 11945 | Iloperidone Impurity 12                | VS-I010024 | N/A          |
| 11946 | Iloperidone Impurity 13                | VS-I010025 | 531524-17-1  |
| 11947 | Iloperidone Impurity 14                | VS-I010026 | N/A          |



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| 11948 | Iloperidone Impurity 15                       | VS-I010027 | 81055-36-9   |
| 11949 | Iloperidone Impurity 17                       | VS-I010028 | N/A          |
| 11950 | Iloperidone Impurity 18                       | VS-I010029 | N/A          |
| 11951 | Iloperidone Impurity 19                       | VS-I010030 | N/A          |
| 11952 | Iloperidone Impurity 20                       | VS-I010031 | 3245-49-6    |
| 11953 | Iloperidone Impurity 21                       | VS-I010032 | 135634-18-3  |
| 11954 | Iloperidone Impurity 22                       | VS-I010033 | 59084-16-1   |
| 11955 | Iloprost                                      | VS-I011000 | 78919-13-8   |
| 11956 | 16-(S)- Iloprost                              | VS-I011001 | 74843-14-4   |
| 11957 | 16-(R)- Iloprost                              | VS-I011002 | 74843-13-3   |
| 11958 | Imatinib                                      | VS-I012000 | 152459-95-5  |
| 11959 | Imatinib Mesylate                             | VS-I012001 | 220127-57-1  |
| 11960 | Imatinib EP Impurity A                        | VS-I012002 | 55314-16-4   |
| 11961 | Imatinib EP Impurity B (2HCl salt)            | VS-I012003 | 581076-67-7  |
| 11962 | Imatinib EP Impurity C (HCl salt)             | VS-I012004 | 1820893-54-6 |
| 11963 | Imatinib EP Impurity C Trihydrochloride       | VS-I012005 | N/A          |
| 11964 | Imatinib EP Impurity D                        | VS-I012006 | 1821122-73-9 |
| 11965 | Imatinib EP Impurity D Tetrahydrochloride     | VS-I012007 | N/A          |
| 11966 | Imatinib EP Impurity F                        | VS-I012008 | 152460-10-1  |
| 11967 | Imatinib EP Impurity H                        | VS-I012009 | 350-03-8     |
| 11968 | Imatinib EP Impurity J                        | VS-I012010 | 571186-91-9  |
| 11969 | Imatinib Hydrochloride Impurity G             | VS-I012011 | 50398-09-9   |
| 11970 | Imatinib (Piperidine)-N,N-DiOxide             | VS-I012012 | 571186-93-1  |
| 11971 | Imatinib (Piperidine)-N4-Oxide                | VS-I012013 | 938082-57-6  |
| 11972 | Imatinib (Pyridine)-N-Oxide                   | VS-I012014 | 571186-92-0  |
| 11973 | Imatinib Bis Impurity                         | VS-I012015 | 1365802-18-1 |
| 11974 | Imatinib Carboxylic Impurity                  | VS-I012016 | 106261-49-8  |
| 11975 | Imatinib Diamine N1-Formyl Impurity           | VS-I012017 | N/A          |
| 11976 | Imatinib Diamine N1-Formyl N3-Methyl Impurity | VS-I012018 | 1256080-09-7 |
| 11977 | Imatinib DiPiperidine Impurity                | VS-I012019 | N/A          |
| 11978 | Imatinib Imidazole Impurity                   | VS-I012020 | 1256080-10-0 |
| 11979 | Imatinib Meta-MPM Impurity                    | VS-I012021 | 1246819-59-9 |
| 11980 | Imatinib N-Acetyl Impurity                    | VS-I012022 | 1321600-78-5 |
| 11981 | Imatinib Para-PPA Impurity                    | VS-I012023 | 1026753-54-7 |
| 11982 | Ethyl Ethanesulfonate                         | VS-I012024 | 1912-30-7    |
| 11983 | Imatinib Impurity Butyl Methane Sulfonate     | VS-I012025 | 1912-32-9    |
| 11984 | O-Toluidine                                   | VS-I012026 | 95-53-4      |
| 11985 | Methanesulfonic Acid Hexyl Ester              | VS-I012027 | 16156-50-6   |
| 11986 | Ethyl Methane Sulfonate                       | VS-I012028 | 62-50-0      |
| 11987 | Methyl Methane Sulfonate                      | VS-I012029 | 66-27-3      |
| 11988 | Isopropyl Methane Sulfonate                   | VS-I012030 | 926-06-7     |
| 11989 | 4-chloromethyl Benzoic Acid                   | VS-I012031 | 1642-81-5    |
| 11990 | Methanesulfonic Acid                          | VS-I012032 | 75-75-2      |
| 11991 | Imatinib Regioisomer 1                        | VS-I012033 | N/A          |
| 11992 | Imatinib Regioisomer 2                        | VS-I012034 | 1349250-06-1 |
| 11993 | Imatinib Ortho-MPM Impurity                   | VS-I012035 | N/A          |
| 11994 | Isopropyl trifluoromethanesulfonate           | VS-I012036 | 41029-44-1   |

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| 11995 | N-Propyl Methanesulfonate              | VS-I012037 | 1912-31-8    |
| 11996 | Imatinib EP Impurity C                 | VS-I012038 | 404844-02-6  |
| 11997 | Imatinib Impurity 1                    | VS-I012039 | 404844-11-7  |
| 11998 | Imatinib Related Compound              | VS-I012040 | 796738-71-1  |
| 11999 | Imatinib Impurity 3                    | VS-I012041 | 152459-96-6  |
| 12000 | Imatinib Impurity 4                    | VS-I012042 | N/A          |
| 12001 | Imatinib Impurity 5                    | VS-I012043 | N/A          |
| 12002 | Imatinib Impurity 6                    | VS-I012044 | 112696-91-0  |
| 12003 | Imatinib Impurity 7                    | VS-I012045 | 581076-64-4  |
| 12004 | Imatinib Impurity 8                    | VS-I012046 | 99-94-5      |
| 12005 | Imatinib Impurity 9                    | VS-I012047 | N/A          |
| 12006 | Imatinib Impurity 10                   | VS-I012048 | N/A          |
| 12007 | Imatinib Impurity 11                   | VS-I012049 | 514209-42-8  |
| 12008 | Imatinib Impurity 12                   | VS-I012050 | 514209-40-6  |
| 12009 | Imatinib Impurity 13                   | VS-I012051 | N/A          |
| 12010 | Imatinib Impurity 14                   | VS-I012052 | N/A          |
| 12011 | Imatinib Impurity 15                   | VS-I012053 | 641615-50-1  |
| 12012 | Imatinib Impurity 15                   | VS-I012054 | 110928-44-4  |
| 12013 | Imatinib Impurity 16                   | VS-I012055 | N/A          |
| 12014 | Imatinib EP Impurity B                 | VS-I012056 | 581076-65-5  |
| 12015 | Imidocarb Dipropionate                 | VS-I013000 | 55750-06-6   |
| 12016 | N-Acetyl Iminostilbene                 | VS-I014001 | 19209-60-0   |
| 12017 | Iminostilbene N-Carbonyl Bromide       | VS-I014002 | 40421-05-4   |
| 12018 | N-Methyl Iminostilbene                 | VS-I014003 | 52249-32-8   |
| 12019 | Imipenem Monohydrate                   | VS-I015001 | 74431-23-5   |
| 12020 | Imipenem EP Impurity A                 | VS-I015002 | 59995-64-1   |
| 12021 | Imipenem EP Impurity B                 | VS-I015003 | 1197869-90-1 |
| 12022 | Imipenem Impurity 1                    | VS-I015004 | 81275-02-7   |
| 12023 | Imipenem Impurity 2                    | VS-I015005 | N/A          |
| 12024 | Imipramine Hydrochloride               | VS-I016001 | 113-52-0     |
| 12025 | Imipramine Hydrochloride EP Impurity A | VS-I016002 | 50-47-5      |
| 12026 | Imipramine Hydrochloride EP Impurity B | VS-I016003 | 303-54-8     |
| 12027 | Imipramine Hydrochloride EP Impurity C | VS-I016004 | 2307-88-2    |
| 12028 | Imipramine Pamoate                     | VS-I016005 | 10075-24-8   |
| 12029 | Imipramine                             | VS-I016006 | 50-49-7      |
| 12030 | Indacaterol                            | VS-I017001 | 312753-06-3  |
| 12031 | Benzyl Indacaterol Impurity            | VS-I017002 | 435273-75-9  |
| 12032 | Indacaterol S- Isomer Impurity         | VS-I017003 | 1384188-70-8 |
| 12033 | Indacaterol Mono Ethyl Impurity        | VS-I017004 | 1026461-20-0 |
| 12034 | Indacaterol Maleate                    | VS-I017005 | 753498-25-8  |
| 12035 | Indacaterol Maleate Hemihydrate        | VS-I017006 | N/A          |
| 12036 | Indacaterol Impurity 1                 | VS-I017007 | N/A          |
| 12037 | Indacaterol Impurity 2                 | VS-I017008 | 1403389-05-8 |
| 12038 | Indacaterol Impurity 3                 | VS-I017009 | 148-24-3     |
| 12039 | Indacaterol Impurity 4                 | VS-I017010 | 2598-31-4    |
| 12040 | Indacaterol Impurity 5                 | VS-I017011 | 26872-48-0   |
| 12041 | Indacaterol Impurity 6                 | VS-I017012 | 100331-93-9  |

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| 12042 | Indacaterol Impurity 7                 | VS-I017013 | 312753-50-7  |
| 12043 | Indacaterol Impurity 8                 | VS-I017014 | 312753-52-9  |
| 12044 | Indacaterol Impurity 9                 | VS-I017015 | 135-01-3     |
| 12045 | Indacaterol Impurity 10                | VS-I017016 | 312753-51-8  |
| 12046 | Indacaterol Impurity 11                | VS-I017017 | 2338-18-3    |
| 12047 | Indapamide                             | VS-I018000 | 26807-65-8   |
| 12048 | Indapamide Sulfate                     | VS-I018001 | 1219174-77-2 |
| 12049 | 4-Chloro-3-sulfamoylbenzoic acid       | VS-I018002 | 1205-30-7    |
| 12050 | Indapamide USP Related compound B      | VS-I018003 | 102789-79-7  |
| 12051 | Indapamide EP Impurity A               | VS-I018004 | 85440-79-5   |
| 12052 | Indapamide EP Impurity B               | VS-I018005 | 63968-75-2   |
| 12053 | Indapamide EP Impurity C (HCl salt)    | VS-I018006 | 31529-47-2   |
| 12054 | Indapamide Glucuronide                 | VS-I018007 | N/A          |
| 12055 | 5-Hydroxy Indapamide                   | VS-I018008 | 126750-70-7  |
| 12056 | 2-Methylindole                         | VS-I018009 | 95-20-5      |
| 12057 | Indapamide Impurity 1                  | VS-I018010 | N/A          |
| 12058 | Indapamide Impurity 2                  | VS-I018011 | N/A          |
| 12059 | Indapamide Impurity 3                  | VS-I018012 | 1856658-28-0 |
| 12060 | Indapamide Impurity 4                  | VS-I018013 | 604787-44-2  |
| 12061 | Indapamide Impurity 5                  | VS-I018014 | N/A          |
| 12062 | Indapamide Impurity 6                  | VS-I018015 | N/A          |
| 12063 | Indapamide Impurity 7                  | VS-I018016 | N/A          |
| 12064 | Indapamide Impurity 8                  | VS-I018017 | N/A          |
| 12065 | Indapamide Impurity 9                  | VS-I018018 | N/A          |
| 12066 | Indapamide Impurity 10                 | VS-I018019 | 2457316-06-0 |
| 12067 | Indapamide Impurity 11                 | VS-I018020 | 70049-77-3   |
| 12068 | Indapamide Impurity 13                 | VS-I018021 | 06-06-72     |
| 12069 | Indapamide EP Impurity C               | VS-I018022 | 31529-46-1   |
| 12070 | Indomethacin                           | VS-I019000 | 53-86-1      |
| 12071 | Indomethacin Analogue                  | VS-I019001 | 4584-39-8    |
| 12072 | Indomethacin USP RC A                  | VS-I019002 | 2882-15-7    |
| 12073 | Indomethacin EP Impurity A             | VS-I019003 | 74-11-3      |
| 12074 | Indomethacin EP Impurity C             | VS-I019004 | 4018-82-0    |
| 12075 | Indomethacin EP Impurity D             | VS-I019005 | N/A          |
| 12076 | Indomethacin EP Impurity E             | VS-I019006 | 807614-94-4  |
| 12077 | Indomethacin EP Impurity F             | VS-I019007 | 402849-27-8  |
| 12078 | Indomethacin EP Impurity G             | VS-I019008 | 402849-26-7  |
| 12079 | Indomethacin EP Impurity H             | VS-I019009 | 1601-18-9    |
| 12080 | Indomethacin EP Impurity I             | VS-I019010 | 16401-99-3   |
| 12081 | Indomethacin EP Impurity J             | VS-I019011 | 402849-25-6  |
| 12082 | O-Desmethyl Indomethacin               | VS-I019012 | 2504-32-7    |
| 12083 | Indomethacin acyl glucuronide          | VS-I019013 | N/A          |
| 12084 | 4-Methoxyphenylhydrazine Hydrochloride | VS-I019014 | 19501-58-7   |
| 12085 | Isoproterenone                         | VS-I019015 | 121-28-8     |
| 12086 | Indomethacin- $\alpha$ -monoglyceride  | VS-I019016 | 71848-87-8   |
| 12087 | Indomethacin Isopropyl Ester Impurity  | VS-I019017 | 72616-25-2   |
| 12088 | Indomethacin Impurity 2                | VS-I019018 | 97460-20-3   |

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| 12089 | Indomethacin Impurity 3           | VS-I019019 | 38148-93-5   |
| 12090 | Indomethacin Impurity 4           | VS-I019020 | 3471-32-7    |
| 12091 | Indomethacin Impurity 5           | VS-I019021 | 16390-07-1   |
| 12092 | Indomethacin Impurity 6           | VS-I019022 | 50995-53-4   |
| 12093 | Indomethacin Impurity 7           | VS-I019023 | N/A          |
| 12094 | Indomethacin Impurity 9           | VS-I019024 | N/A          |
| 12095 | Indomethacin Impurity 10          | VS-I019025 | N/A          |
| 12096 | Indomethacin Impurity 11          | VS-I019026 | N/A          |
| 12097 | Indomethacin Impurity 12          | VS-I019027 | N/A          |
| 12098 | Indomethacin Impurity 13          | VS-I019028 | N/A          |
| 12099 | Indomethacin Impurity 14          | VS-I019029 | N/A          |
| 12100 | Indomethacin Impurity 15          | VS-I019030 | 73301-01-6   |
| 12101 | Indomethacin Impurity 16          | VS-I019031 | 72155-33-0   |
| 12102 | Indoramin Hydrochloride           | VS-I020001 | 38821-52-2   |
| 12103 | Indoramin EP Impurity A           | VS-I020002 | 3389-21-7    |
| 12104 | Indoramin EP Impurity B           | VS-I020003 | 971-34-6     |
| 12105 | Indoramin EP Impurity C           | VS-I020004 | 33953-37-6   |
| 12106 | Ingenol                           | VS-I021000 | 30220-46-3   |
| 12107 | Ingenol Mebutate                  | VS-I021001 | 75567-37-2   |
| 12108 | myo-Inositol                      | VS-I022001 | 87-89-8      |
| 12109 | Intermedine                       | VS-I023000 | 10285-06-0   |
| 12110 | Intermedine N-Oxide               | VS-I023001 | 95462-14-9   |
| 12111 | Iopromide                         | VS-I024000 | 73334-07-3   |
| 12112 | Iopromide EP Impurity A           | VS-I024001 | 154361-51-0  |
| 12113 | Iopromide EP Impurity B           | VS-I024002 | 76350-28-2   |
| 12114 | Iopromide EP Impurity C           | VS-I024003 | 154361-52-1  |
| 12115 | Iopromide EP Impurity D           | VS-I024004 | 154361-55-4  |
| 12116 | Iopromide EP Impurity E           | VS-I024005 | 154397-78-1  |
| 12117 | Iopromide EP Impurity F           | VS-I024006 | 154361-54-3  |
| 12118 | Iopromide EP Impurity G           | VS-I024007 | 154361-53-2  |
| 12119 | Iopromide EP Impurity H           | VS-I024008 | 185459-57-8  |
| 12120 | Ipragliflozin                     | VS-I025000 | 761423-87-4  |
| 12121 | Ipragliflozin Impurity 1          | VS-I025001 | 1888296-91-0 |
| 12122 | Ipragliflozin Impurity 2          | VS-I025002 | N/A          |
| 12123 | Ipragliflozin Impurity 3          | VS-I025003 | 2602662-34-8 |
| 12124 | Ipragliflozin Impurity 4          | VS-I025004 | N/A          |
| 12125 | Ipragliflozin Impurity 5          | VS-I025005 | N/A          |
| 12126 | Ipratropium Bromide               | VS-I026000 | 22254-24-6   |
| 12127 | Ipratropium EP Impurity A         | VS-I026001 | 58005-18-8   |
| 12128 | Ipratropium EP Impurity B         | VS-I026002 | 58073-59-9   |
| 12129 | Ipratropium EP Impurity C         | VS-I026003 | 552-63-6     |
| 12130 | Ipratropium EP Impurity D         | VS-I026004 | 492-38-6     |
| 12131 | Ipratropium EP Impurity E         | VS-I026005 | 183626-76-8  |
| 12132 | Ipratropium EP Impurity F         | VS-I026006 | 17812-46-3   |
| 12133 | N-Isopropylnoratropinium bromidea | VS-I026007 | 22254-24-6   |
| 12134 | Ipratropium Related Compound B    | VS-I026008 | N/A          |
| 12135 | Des-Methoxy Ipratropium           | VS-I026009 | 736876-24-7  |

|       |                                                         |            |               |
|-------|---------------------------------------------------------|------------|---------------|
| 12136 | 2-Hydroxy Ipratropium Bromide                           | VS-I026010 | N/A           |
| 12137 | 4-Hydroxy Ipratropium Bromide                           | VS-I026011 | N/A           |
| 12138 | Ipratropium Impurity 1                                  | VS-I026012 | N/A           |
| 12139 | Ipratropium Impurity 2                                  | VS-I026013 | N/A           |
| 12140 | Irbesartan                                              | VS-I027000 | 138402-11-6   |
| 12141 | Irbesartan Acetyloxy Impurity                           | VS-I027001 | 253678-97-6   |
| 12142 | Irbesartan Cyano Impurity                               | VS-I027002 | 138401-24-8   |
| 12143 | Irbesartan Dibromomethyl Impurity                       | VS-I027003 | 209911-63-7   |
| 12144 | Irbesartan EP Impurity A                                | VS-I027004 | 748812-53-5   |
| 12145 | Irbesartan Hydroxy N2-Trityl Impurity                   | VS-I027005 | 154709-18-9   |
| 12146 | Irbesartan Lactam Impurity                              | VS-I027006 | 151257-01-1   |
| 12147 | Irbesartan N2-Trityl Impurity                           | VS-I027007 | 886999-35-5   |
| 12148 | Irbesartan Propyl Analog                                | VS-I027008 | 158778-58-6   |
| 12149 | Irbesartan N2-Glucuronide                               | VS-I027009 | N/A           |
| 12150 | Irbesartan Dimer Impurity                               | VS-I027010 | 1346598-52-4  |
| 12151 | Phenyl Tetrazole Irbesartan Impurity                    | VS-I027011 | 18039-42-4    |
| 12152 | Irbesartan carboxamide                                  | VS-I027012 | 141745-71-3   |
| 12153 | Irbesartan N-Valeryl carboxamide                        | VS-I027013 | 177219-40-8   |
| 12154 | Irbesartan Propyl analog                                | VS-I027014 | 148236-54-8   |
| 12155 | Irbesartan Pentanoic Acid Amide                         | VS-I027015 | 194984-24-2   |
| 12156 | N-Nitroso Thiazolidine-4-carboxylic Acid                | VS-I027016 | 88381-44-6    |
| 12157 | N-Nitroso-thiazolidine                                  | VS-I027017 | 73870-33-4    |
| 12158 | Irbesartan Impurity 1                                   | VS-I027018 | 138402-05-8   |
| 12159 | Irbesartan Impurity 2                                   | VS-I027019 | 133909-97-4   |
| 12160 | Irbesartan Impurity 3                                   | VS-I027020 | N/A           |
| 12161 | Irbesartan Impurity 4                                   | VS-I027021 | N/A           |
| 12162 | Irbesartan Impurity 5                                   | VS-I027022 | N/A           |
| 12163 | Irbesartan Impurity 6                                   | VS-I027023 | 138402-10-5   |
| 12164 | Irbesartan Impurity 14                                  | VS-I027024 | 133690-91-2   |
| 12165 | Irbesartan Impurity C                                   | VS-I027025 | 154709-19-0   |
| 12166 | 4-Bromomethyl-biphenyl-2-carbonitrile                   | VS-I027026 | 210037-90-4   |
| 12167 | Irbesartan Azide Impurity                               | VS-I027027 | 152708-24-2   |
| 12168 | 1-[(1-Oxobutyl)amino]cyclopentanecarboxamide            | VS-I027028 | 1980852-26-3  |
| 12169 | 1-Aminocyclopentanecarboxamide                          | VS-I027029 | 17193-28-1    |
| 12170 | 4-Amino-6-chlorobenzene-1,3-disulfonamide               | VS-I027030 | 121-30-2      |
| 12171 | Irinotecan HCl Trihydrate                               | VS-I028001 | 136572-09-3   |
| 12172 | Irinotecan EP Impurity A                                | VS-I028002 | 103816-16-6   |
| 12173 | Irinotecan EP Impurity A Hydrochloride                  | VS-I028003 | 207683-84-9   |
| 12174 | Irinotecan EP Impurity A Sulfate salt                   | VS-I028004 | 883718-83-0   |
| 12175 | Irinotecan EP Impurity B                                | VS-I028005 | 19685-09-7    |
| 12176 | Irinotecan EP Impurity B Hydrochloride                  | VS-I028006 | 1174930-07-4  |
| 12177 | Irinotecan EP Impurity B Sodium salt                    | VS-I028007 | 77987-01-0    |
| 12178 | Irinotecan EP Impurity E                                | VS-I028008 | 86639-52-3    |
| 12179 | Irinotecan USP Related Compound C                       | VS-I028009 | 1608463-33-7  |
| 12180 | Irinotecan USP impurity C TFA                           | VS-I028010 | N/A           |
| 12181 | Irinotecan USP Related Compound D (HCl Trihydrate Salt) | VS-I028011 | N/A           |
| 12182 | Irinotecan USP Impurity D                               | VS-I028012 | 03-04-89 0:00 |

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|-------|-------------------------------------|------------|--------------|
| 12183 | Irinotecan Impurity D               | VS-I028013 | N/A          |
| 12184 | Irinotecan EP Impurity F            | VS-I028014 | 78287-27-1   |
| 12185 | Irinotecan EP Impurity G            | VS-I028015 | 947687-01-6  |
| 12186 | Irinotecan EP Impurity G TFA        | VS-I028016 | N/A          |
| 12187 | Irinotecan EP Impurity K            | VS-I028017 | 2508174-07-8 |
| 12188 | Irinotecan EP Impurity M            | VS-I028018 | 185336-12-3  |
| 12189 | Irinotecan Acid Sodium Salt         | VS-I028019 | 1329502-92-2 |
| 12190 | Irinotecan Keto Impurity            | VS-I028020 | 176515-52-9  |
| 12191 | Irinotecan Hydroxy Keto Impurity    | VS-I028021 | 157770-58-6  |
| 12192 | Irinotecan 11-Ethyl Impurity (USP)  | VS-I028022 | 947687-02-7  |
| 12193 | Irinotecan Impurity B1              | VS-I028023 | N/A          |
| 12194 | Irinotecan Impurity 1               | VS-I028024 | 143490-53-3  |
| 12195 | Irinotecan Impurity 2               | VS-I028025 | N/A          |
| 12196 | Irinotecan Impurity 4               | VS-I028026 | 121080-63-5  |
| 12197 | Irinotecan Impurity 5               | VS-I028027 | 2656-50-0    |
| 12198 | Irinotecan Impurity 6               | VS-I028028 | 200619-21-2  |
| 12199 | Irinotecan Impurity 7               | VS-I028029 | N/A          |
| 12200 | Irinotecan Impurity 8               | VS-I028030 | N/A          |
| 12201 | Irinotecan Related Compound D (HCl) | VS-I028031 | 1992961-26-8 |
| 12202 | Isavuconazole                       | VS-I029000 | 241479-67-4  |
| 12203 | Isavuconazonium Sulfate             | VS-I029001 | 946075-13-4  |
| 12204 | Isavuconazole(S)-BC55n              | VS-I029002 | N/A          |
| 12205 | Isavuconazole Alcohol Impurity      | VS-I029003 | N/A          |
| 12206 | Isavuconazole Amide Impurity        | VS-I029004 | N/A          |
| 12207 | Isavuconazole Imino Impurity        | VS-I029005 | N/A          |
| 12208 | Isavuconazole Carbonyl Impurity     | VS-I029006 | N/A          |
| 12209 | Isavuconazole Impurity 1            | VS-I029007 | N/A          |
| 12210 | Isavuconazole Impurity 2            | VS-I029008 | N/A          |
| 12211 | Isavuconazole Impurity 5            | VS-I029009 | N/A          |
| 12212 | Isavuconazole Impurity 6            | VS-I029010 | N/A          |
| 12213 | Isavuconazole Impurity 7            | VS-I029011 | N/A          |
| 12214 | Isavuconazole Impurity 8            | VS-I029012 | N/A          |
| 12215 | Isavuconazole Impurity 10           | VS-I029013 | N/A          |
| 12216 | Isavuconazole Impurity 11           | VS-I029014 | 1176988-44-5 |
| 12217 | Isavuconazole Impurity 12           | VS-I029015 | 1797905-83-9 |
| 12218 | Isavuconazole Impurity 13           | VS-I029016 | 1176834-54-0 |
| 12219 | Isavuconazole Impurity 14           | VS-I029017 | 2169911-47-9 |
| 12220 | Isavuconazole Impurity 15           | VS-I029018 | 2169911-49-1 |
| 12221 | Isavuconazole Impurity 16           | VS-I029019 | 2169911-50-4 |
| 12222 | Isavuconazole Impurity 17           | VS-I029020 | 2169911-48-0 |
| 12223 | Isavuconazole Impurity 18           | VS-I029021 | N/A          |
| 12224 | Isavuconazole Impurity 19           | VS-I029022 | N/A          |
| 12225 | Isavuconazole Impurity 20           | VS-I029023 | N/A          |
| 12226 | Isavuconazole Impurity 21           | VS-I029024 | N/A          |
| 12227 | Isavuconazole Impurity 22           | VS-I029025 | 2001052-01-1 |
| 12228 | Isavuconazole Impurity 23           | VS-I029026 | N/A          |
| 12229 | Isavuconazole Impurity 24           | VS-I029027 | N/A          |

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|-------|-----------------------------------------------------|------------|--------------|
| 12230 | Isavuconazole Impurity 25                           | VS-I029028 | N/A          |
| 12231 | Isavuconazole Impurity 26                           | VS-I029029 | N/A          |
| 12232 | Isavuconazole Impurity 27                           | VS-I029030 | N/A          |
| 12233 | Isavuconazole Impurity 28                           | VS-I029031 | N/A          |
| 12234 | Isavuconazole Impurity 29                           | VS-I029032 | N/A          |
| 12235 | Mixture of (2R,3R) & (2S,3S) Diastereomers          | VS-I029033 | N/A          |
| 12236 | Mixture of (2R,3S) & (2S,3R) Diastereomers          | VS-I029034 | N/A          |
| 12237 | Mixture of (2S,3R) & (2R,3S) Diastereomers          | VS-I029035 | N/A          |
| 12238 | Isavuconazole Impurity 30                           | VS-I029036 | N/A          |
| 12239 | Isavuconazole Impurity 31                           | VS-I029037 | 32399-12-5   |
| 12240 | Isavuconazole Impurity 32                           | VS-I029038 | 2734004-61-4 |
| 12241 | Boc Isavuconazonium Sulfate                         | VS-I029039 | 338990-64-0  |
| 12242 | N-Nitroso Isavuconazonium Sulfate                   | VS-I029040 | N/A          |
| 12243 | Isoconazole                                         | VS-I030000 | 27523-40-6   |
| 12244 | Isoconazole EP Impurity B                           | VS-I030001 | 24155-42-8   |
| 12245 | Isoconazole EP Impurity C                           | VS-I030002 | 1305320-62-0 |
| 12246 | Isoconazole EP Impurity D                           | VS-I030003 | 22916-47-8   |
| 12247 | $\alpha$ ,2,4-Trichloroacetophenone                 | VS-I030004 | 4252-78-2    |
| 12248 | $\alpha$ -(Chloromethyl)-2,4-dichlorobenzyl Alcohol | VS-I030005 | 13692-14-3   |
| 12249 | Isoflurane                                          | VS-I031000 | 26675-46-7   |
| 12250 | Isoflurane EP Impurity A                            | VS-I031001 | 33018-78-9   |
| 12251 | Isoflurane EP Impurity B                            | VS-I031002 | 1885-48-9    |
| 12252 | Isoflurane EP Impurity C                            | VS-I031003 | 32778-08-8   |
| 12253 | Isoflurane EP Impurity D                            | VS-I031004 | 32778-07-7   |
| 12254 | Isoflurane EP Impurity E                            | VS-I031005 | 32778-09-9   |
| 12255 | Isoflurane EP Impurity F                            | VS-I031006 | 67-64-1      |
| 12256 | Isomaltitol                                         | VS-I032000 | 534-73-6     |
| 12257 | Isometheptene Fumarate                              | VS-I033001 | N/A          |
| 12258 | Dimethylheptene Methylamine HCl                     | VS-I033002 | 6168-86-1    |
| 12259 | Isometheptene BP Impurity A                         | VS-I033003 | 503-00-4     |
| 12260 | Isometheptene Impurity B                            | VS-I033004 | 627-98-5     |
| 12261 | Isometheptene Impurity C                            | VS-I033005 | 1569-60-4    |
| 12262 | Isometheptene Impurity D                            | VS-I033006 | 764-32-9     |
| 12263 | Isometheptene BP Impurity E (HCl)                   | VS-I033007 | 17086-16-7   |
| 12264 | 6-methylhept-5-en-2-one                             | VS-I033008 | 110-93-0     |
| 12265 | 6-methylheptan-2-ol                                 | VS-I033009 | 4730-22-7    |
| 12266 | Isometheptene Impurity 1                            | VS-I033010 | 7492-31-1    |
| 12267 | Isometheptene Impurity 2                            | VS-I033011 | N/A          |
| 12268 | Isometheptane Nitroso Impurity                      | VS-I033012 | N/A          |
| 12269 | Isoniazid                                           | VS-I034000 | 54-85-3      |
| 12270 | 1,2-Diisonicotinoylhydrazine                        | VS-I034001 | 4329-75-3    |
| 12271 | 2-Isoniazid Impurity                                | VS-I034002 | 1452-63-7    |
| 12272 | Amino Impurity of Isoniazid                         | VS-I034003 | 3731-53-1    |
| 12273 | 3-Isoniazid                                         | VS-I034004 | 553-53-7     |
| 12274 | Isoniazid Dimer                                     | VS-I034005 | 38634-05-8   |
| 12275 | Isoniazid Formaldehyde Adduct Impurity              | VS-I034006 | 09-02-13     |
| 12276 | Isoniazide EP Impurity D                            | VS-I034007 | 553-53-7     |

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|-------|--------------------------------------|------------|-------------|
| 12277 | Isoniazide EP Impurity A             | VS-I034008 | 55-22-1     |
| 12278 | Isoniazide EP Impurity B             | VS-I034009 | 1453-82-3   |
| 12279 | isoniazid acetone adduct             | VS-I034010 | 01-04-13    |
| 12280 | Hydrazine sulfate                    | VS-I034011 | 10034-93-2  |
| 12281 | Isoprenaline Hydrochloride           | VS-I035001 | 51-30-9     |
| 12282 | Isoprenaline EP Impurity A           | VS-I035002 | 121-28-8    |
| 12283 | Dehydroxy Isoproterenol Hcl          | VS-I035003 | 5178-52-9   |
| 12284 | Isoprenaline EP Impurity A (HCL )    | VS-I035004 | 16899-81-3  |
| 12285 | Metiprenaline                        | VS-I036001 | 1212-03-9   |
| 12286 | Isoproterenol Impurity 1             | VS-I036002 | N/A         |
| 12287 | N-Nitroso Isoproterenol              | VS-I036003 | N/A         |
| 12288 | Isopulegol                           | VS-I037000 | 7786-67-6   |
| 12289 | Isosorbide Dinitrate                 | VS-I038001 | 87-33-2     |
| 12290 | Isosorbide Dinitrate EP Impurity A   | VS-I038002 | 16106-20-0  |
| 12291 | Isosorbide Dinitrate EP Impurity B   | VS-I038003 | 16051-77-7  |
| 12292 | 1,4-Anhydroglucitol Tetranitrate     | VS-I038004 | N/A         |
| 12293 | 3,6-anhydroglucitol Tetranitrate     | VS-I038005 | N/A         |
| 12294 | Isomannide Dinitrate                 | VS-I038006 | 551-43-9    |
| 12295 | Isosorbide Mononitrate               | VS-I039000 | 16051-77-7  |
| 12296 | Isosorbide Mononitrate EP Impurity A | VS-I039001 | 87-33-2     |
| 12297 | Isosorbide Mononitrate EP Impurity B | VS-I039002 | 16106-20-0  |
| 12298 | Isosorbide Mononitrate Impurity 1    | VS-I039003 | 110627-22-0 |
| 12299 | Isosorbide Mononitrate Impurity 2    | VS-I039004 | 39698-15-2  |
| 12300 | Isosulfan Blue                       | VS-I040000 | 68238-36-8  |
| 12301 | Isosulfan Blue Impurity 1            | VS-I040001 | N/A         |
| 12302 | Isosulfan Blue Quinone Impurity      | VS-I040002 | N/A         |
| 12303 | Desethyl Isosulfan Blue              | VS-I040003 | N/A         |
| 12304 | Isothipendyl                         | VS-I041000 | 482-15-5    |
| 12305 | (S)-Isothipendyl N-Oxide             | VS-I041001 | N/A         |
| 12306 | Isotretinoin                         | VS-I042000 | 4759-48-2   |
| 12307 | Isotretinoin EP Impurity A           | VS-I042001 | 302-79-4    |
| 12308 | Isotretinoin EP Impurity B           | VS-I042002 | 5352-74-9   |
| 12309 | Isotretinoin EP Impurity C           | VS-I042003 | 3555-80-4   |
| 12310 | Isotretinoin EP Impurity D           | VS-I042004 | 08-03-00    |
| 12311 | Isotretinoin EP Impurity F           | VS-I042005 | 68070-35-9  |
| 12312 | Isotretinoin EP Impurity G           | VS-I042006 | 81444-57-7  |
| 12313 | Isotretinoin EP Impurity H           | VS-I042007 | 71748-58-8  |
| 12314 | Isotretinoin EP Impurity I           | VS-I042008 | 75281-25-3  |
| 12315 | 5,8-Epoxy-13-cis-retinoic acid       | VS-I042009 | 112018-12-9 |
| 12316 | 4-Hydroxy-9-cis-retinoic acid        | VS-I042010 | 150737-17-0 |
| 12317 | 5,8-Epoxy-all-trans-Retinoic Acid    | VS-I042011 | 3012-76-8   |
| 12318 | 5,6-Epoxy-all-trans-Retinoic Acid    | VS-I042012 | 13100-69-1  |
| 12319 | 4-Methoxy Retinoic Acid              | VS-I042013 | 81121-20-2  |
| 12320 | 4-Hydroxy-all-transretinoic acid     | VS-I042014 | 66592-72-1  |
| 12321 | 4-Oxo-all-transretinoic acid         | VS-I042015 | 38030-57-8  |
| 12322 | 4-Oxo-9-cis Retinoic acid            | VS-I042016 | 150737-18-1 |
| 12323 | 5,8-Epoxy-9-cisretinoic acid         | VS-I042017 | N/A         |



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|-------|---------------------------------------------------|------------|--------------|
| 12324 | 5,6-Epoxy-9-cis-Retinoic Acid                     | VS-I042018 | 1431303-55-7 |
| 12325 | (7E,9Z)- $\beta$ -Ionylidene Acetaldehyde         | VS-I042019 | 54226-17-4   |
| 12326 | 9-cisRetinoic acid ethyl ester                    | VS-I042020 | 86708-67-0   |
| 12327 | Isotretinoin Impurity 1                           | VS-I042021 | 51318-62-8   |
| 12328 | Isotretinoin Impurity 2                           | VS-I042022 | 39760-56-0   |
| 12329 | Isotretinoin Impurity 3                           | VS-I042023 | N/A          |
| 12330 | Isotretinoin Impurity 4                           | VS-I042024 | N/A          |
| 12331 | Isotretinoin Impurity 5                           | VS-I042025 | 68070-34-8   |
| 12332 | Isotretinoin Impurity 6                           | VS-I042026 | N/A          |
| 12333 | Isotretinoin Impurity 7                           | VS-I042027 | N/A          |
| 12334 | Isotretinoin Impurity 8                           | VS-I042028 | 335380-37-5  |
| 12335 | Isotretinoin Impurity 9                           | VS-I042029 | 36340-49-5   |
| 12336 | Isotretinoin Impurity 10                          | VS-I042030 | 22469-89-2   |
| 12337 | Isotretinoin Impurity 11                          | VS-I042031 | 14398-42-6   |
| 12338 | Isotretinoin Impurity 12                          | VS-I042032 | 3899-20-5    |
| 12339 | Isotretinoin Impurity 13                          | VS-I042033 | 3917-41-7    |
| 12340 | Isoxsuprine                                       | VS-I043000 | 395-28-8     |
| 12341 | Isoxsuprine EP Impurity A                         | VS-I043001 | 1518-97-4    |
| 12342 | Isoxsuprine EP Impurity B                         | VS-I043002 | 60640-80-4   |
| 12343 | Itopride Hydrochloride                            | VS-I044001 | 122892-31-3  |
| 12344 | Itopride N-Oxide                                  | VS-I044002 | 141996-98-7  |
| 12345 | Itopride Impurity A                               | VS-I044003 | 943518-63-6  |
| 12346 | Itopride Impurity B                               | VS-I044004 | 331239-23-7  |
| 12347 | Itopride Impurity C                               | VS-I044005 | 141996-97-6  |
| 12348 | Itopride Impurity 1                               | VS-I044006 | 886448-11-9  |
| 12349 | Itopride Impurity 2                               | VS-I044007 | N/A          |
| 12350 | Itopride Impurity 3                               | VS-I044008 | 1803606-15-6 |
| 12351 | Itopride Impurity 2                               | VS-I044009 | 15182-92-0   |
| 12352 | Itopride Impurity 1                               | VS-I044010 | 841259-18-5  |
| 12353 | Itopride Impurity F                               | VS-I044011 | 15182-92-0   |
| 12354 | Itraconazole                                      | VS-I045000 | 84625-61-6   |
| 12355 | Itraconazole EP Impurity A                        | VS-I045001 | 252964-68-4  |
| 12356 | Itraconazole EP Impurity B                        | VS-I045002 | 854372-77-3  |
| 12357 | Itraconazole EP Impurity C                        | VS-I045003 | 74855-91-7   |
| 12358 | Itraconazole EP Impurity D                        | VS-I045004 | 89848-49-7   |
| 12359 | Itraconazole EP Impurity E                        | VS-I045005 | 252964-65-1  |
| 12360 | Itraconazole EP Impurity F                        | VS-I045006 | 89848-51-1   |
| 12361 | Itraconazole EP Impurity G                        | VS-I045007 | N/A          |
| 12362 | Itraconazole N-Desalky Impurity                   | VS-I045008 | 89848-41-9   |
| 12363 | Itraconazole Hydrazinyl Impurity                  | VS-I045009 | 89848-13-5   |
| 12364 | Itraconazole Aniline Impurity                     | VS-I045010 | 1437468-62-6 |
| 12365 | Itraconazole Methoxy Nitro Impurity               | VS-I045011 | 74852-61-2   |
| 12366 | Itraconazole Methoxy Amino Impurity               | VS-I045012 | 74852-62-3   |
| 12367 | Itraconazole Methoxy Hydrazinyl Impurity          | VS-I045013 | 74852-89-4   |
| 12368 | Itraconazole Hydroxy Isopropyltriazolone Impurity | VS-I045014 | 89848-19-1   |
| 12369 | Itraconazole Methoxy Propyltriazolone Impurity    | VS-I045015 | 74852-92-9   |
| 12370 | Itraconazole 2-Hydroxy Metabolite                 | VS-I045016 | 199797-92-7  |

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| 12371 | Itraconazole 2-Oxo Metabolite                     | VS-I045017 | 112560-33-5  |
| 12372 | Itraconazole Nitrophenyl Impurity                 | VS-I045018 | 1437468-92-2 |
| 12373 | Itraconazole Methoxy Phenoxy Impurity             | VS-I045019 | 74853-06-8   |
| 12374 | Itraconazole Methoxy Triazolone Impurity          | VS-I045020 | N/A          |
| 12375 | Itraconazole Methoxy Isopropyltriazolone Impurity | VS-I045021 | 89848-14-6   |
| 12376 | Itraconazole Hydroxy Propyltriazolone Impurity    | VS-I045022 | 79538-91-3   |
| 12377 | Itraconazole Methoxy Butyltriazolone Impurity     | VS-I045023 | 89848-15-7   |
| 12378 | Itraconazole Hydroxy Butyltriazolone Impurity     | VS-I045024 | 89848-20-4   |
| 12379 | Itraconazole Dioxolonyl Impurity                  | VS-I045025 | 172587-58-5  |
| 12380 | Itraconazole Hydroxy Isobutyltriazolone Impurity  | VS-I045026 | 106461-41-0  |
| 12381 | Hydroxy Itraconazole                              | VS-I045027 | 112559-91-8  |
| 12382 | Itraconazole Impurity 1                           | VS-I045028 | N/A          |
| 12383 | Itraconazole Impurity 2                           | VS-I045029 | N/A          |
| 12384 | Itraconazole Impurity 3                           | VS-I045030 | N/A          |
| 12385 | Itraconazole Impurity 4                           | VS-I045031 | N/A          |
| 12386 | Itraconazole Impurity 5                           | VS-I045032 | N/A          |
| 12387 | Itraconazole Impurity 6                           | VS-I045033 | 154003-21-1  |
| 12388 | Itraconazole Impurity 7                           | VS-I045034 | 115897-54-6  |
| 12389 | Itraconazole Impurity 8                           | VS-I045035 | 648416-95-9  |
| 12390 | Itraconazole Impurity 9                           | VS-I045036 | 106461-41-0  |
| 12391 | Itraconazole Impurity 10                          | VS-I045037 | 172587-60-9  |
| 12392 | Itraconazole Impurity 11                          | VS-I045038 | 308361-47-9  |
| 12393 | Itraconazole Impurity 12                          | VS-I045039 | 67914-85-6   |
| 12394 | Itraconazole Impurity 13                          | VS-I045040 | 67914-86-7   |
| 12395 | Itraconazole Impurity 14                          | VS-I045041 | 1222397-04-7 |
| 12396 | Itraconazole Impurity 15                          | VS-I045042 | N/A          |
| 12397 | Itraconazole Impurity 16                          | VS-I045043 | 854372-78-4  |
| 12398 | Itraconazole Impurity 17                          | VS-I045044 | N/A          |
| 12399 | Itraconazole 4-Triazolyl Isomer                   | VS-I045045 | 1427177-65-8 |
| 12400 | Ivabradine                                        | VS-I046000 | 155974-00-8  |
| 12401 | Ivabradine Hydrochloride                          | VS-I046001 | 148849-67-6  |
| 12402 | 2-Oxo-Ivabradine HCl                              | VS-I046002 | 1616710-50-9 |
| 12403 | N-Demethyl Ivabradine Hydrochloride               | VS-I046003 | 1246638-08-3 |
| 12404 | Dehydro Ivabradine                                | VS-I046004 | 1086026-38-1 |
| 12405 | Ivabradine chloro Impurity                        | VS-I046005 | 85175-59-3   |
| 12406 | Ivabradine Iodo Impurity                          | VS-I046006 | 148870-57-9  |
| 12407 | Ivabradine R-Isomer                               | VS-I046007 | 148849-68-7  |
| 12408 | Ivabradine N-Oxide Impurity                       | VS-I046008 | 2511244-97-4 |
| 12409 | rac-Ivabradine HCl                                | VS-I046009 | 1796933-38-4 |
| 12410 | Ivabradine 12 Isomer Impurity                     | VS-I046010 | N/A          |
| 12411 | Ivabradine 12-N Oxide Impurity                    | VS-I046011 | N/A          |
| 12412 | Ivabradine Impurity D                             | VS-I046012 | 866783-12-2  |
| 12413 | Ivabradine Impurity 1                             | VS-I046013 | 85175-65-1   |
| 12414 | Ivabradine Impurity 2                             | VS-I046014 | 73954-34-4   |
| 12415 | Ivabradine Impurity 3                             | VS-I046015 | 109-70-6     |
| 12416 | Ivabradine Impurity 4                             | VS-I046016 | N/A          |
| 12417 | Ivabradine Impurity 5                             | VS-I046017 | 1462470-54-7 |

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| 12418 | Ivabradine Impurity 6          | VS-I046018 | 869856-07-5  |
| 12419 | Ivabradine Impurity 7          | VS-I046019 | 1204612-29-2 |
| 12420 | Ivabradine Impurity 8          | VS-I046020 | 35202-54-1   |
| 12421 | Ivabradine Impurity 9          | VS-I046021 | 869856-10-0  |
| 12422 | Ivabradine Impurity 10         | VS-I046022 | 1235547-07-5 |
| 12423 | Ivabradine Impurity 11         | VS-I046023 | 2512206-14-1 |
| 12424 | Ivabradine Impurity 12         | VS-I046024 | N/A          |
| 12425 | Ivabradine Impurity 14         | VS-I046025 | N/A          |
| 12426 | Ivabradine Impurity 15         | VS-I046026 | 1552361-50-8 |
| 12427 | Ivabradine Impurity 16         | VS-I046027 | N/A          |
| 12428 | Ivabradine Impurity 17         | VS-I046028 | N/A          |
| 12429 | Ivabradine Impurity 18         | VS-I046029 | N/A          |
| 12430 | Ivabradine Impurity 19         | VS-I046030 | N/A          |
| 12431 | Ivabradine Impurity 20         | VS-I046031 | 1082829-01-3 |
| 12432 | Ivabradine Impurity 21         | VS-I046032 | 304464-98-0  |
| 12433 | Ivabradine Impurity 22         | VS-I046033 | 304464-97-9  |
| 12434 | Ivabradine Impurity 23         | VS-I046034 | 85175-77-5   |
| 12435 | Ivabradine Impurity 24         | VS-I046035 | N/A          |
| 12436 | 7-Demethyl Ivabradine          | VS-I046036 | 304462-60-0  |
| 12437 | Ivabradine Impurity 26         | VS-I046037 | 2511244-96-3 |
| 12438 | Ivabradine Impurity 27         | VS-I046038 | 2253977-80-7 |
| 12439 | Ivabradine Impurity 28         | VS-I046039 | N/A          |
| 12440 | Ivabradine Impurity 29         | VS-I046040 | 1428869-91-3 |
| 12441 | Ivabradine Impurity 30         | VS-I046041 | N/A          |
| 12442 | Ivabradine Impurity 31         | VS-I046042 | 2247881-26-9 |
| 12443 | Ivabradine Impurity 32         | VS-I046043 | 1132076-14-2 |
| 12444 | Ivabradine Impurity 33         | VS-I046044 | 2229445-09-2 |
| 12445 | Ivabradine Impurity 35         | VS-I046045 | N/A          |
| 12446 | Ivabradine N-nitroso Impurity  | VS-I046046 | N/A          |
| 12447 | Ivabradine Impurity 37         | VS-I046047 | N/A          |
| 12448 | Ivabradine Impurity 38         | VS-I046048 | N/A          |
| 12449 | Ivabradine Impurity 39         | VS-I046049 | 1235547-06-4 |
| 12450 | Ivabradine Impurity 40         | VS-I046050 | N/A          |
| 12451 | Ivabradine Impurity 41         | VS-I046051 | N/A          |
| 12452 | Ivabradine Impurity 42         | VS-I046052 | N/A          |
| 12453 | Ivabradine Impurity 43         | VS-I046053 | 2247881-27-0 |
| 12454 | Ivabradine Impurity 44         | VS-I046054 | N/A          |
| 12455 | Ivabradine Impurity 45         | VS-I046055 | N/A          |
| 12456 | Ivabradine Impurity 46         | VS-I046056 | N/A          |
| 12457 | Ivabradine Impurity 47         | VS-I046057 | 1629315-02-1 |
| 12458 | Ivabradine Amine Hydrochloride | VS-I046058 | 866783-13-3  |
| 12459 | Ivabradine Impurity 49         | VS-I046059 | 73942-87-7   |
| 12460 | Ivabradine Impurity 50         | VS-I046060 | 1086026-31-4 |
| 12461 | Ivabradine Impurity 58         | VS-I046061 | 41234-20-2   |
| 12462 | Ivabradine Impurity 59         | VS-I046062 | 49621-56-9   |
| 12463 | Ivabradine Impurity 33         | VS-I046063 | 35249-62-8   |
| 12464 | Ivabradine Keto Impurity       | VS-I046064 | NA           |

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|-------|--------------------------------------------------|------------|--------------|
| 12465 | Ivabradine Impurity 51                           | VS-I046065 | 20925-64-8   |
| 12466 | Ivabradine Impurity 52                           | VS-I046066 | 1807811-12-6 |
| 12467 | Ivabradine Oxalate                               | VS-I046067 | 1086026-42-7 |
| 12468 | N-Nitroso N-Desmethyl Ivabradine                 | VS-I046068 | NA           |
| 12469 | N-(Demethyl)diithabradine Hydrochloride Impurity | VS-I046069 | NA           |
| 12470 | Ivacaftor                                        | VS-I047000 | 873054-44-5  |
| 12471 | Ivacaftor Carboxylic Acid                        | VS-I047001 | 1246213-24-0 |
| 12472 | Ivacaftor Ortho Isomer                           | VS-I047002 | 873051-52-6  |
| 12473 | 2,4-Di-tert-butyl-5-nitrophenol                  | VS-I047003 | 873055-57-3  |
| 12474 | De-Alkylated Ivacaftor                           | VS-I047004 | 873054-39-8  |
| 12475 | Ivacaftor Impurity 1                             | VS-I047005 | 54535-22-7   |
| 12476 | Ivacaftor Impurity 2                             | VS-I047006 | 20039-94-5   |
| 12477 | Ivacaftor Impurity 4                             | VS-I047007 | 1246213-45-5 |
| 12478 | Ivacaftor Impurity 5                             | VS-I047008 | 1246213-33-1 |
| 12479 | Ivacaftor Impurity 6                             | VS-I047009 | 873055-58-4  |
| 12480 | Ivacaftor Impurity 7                             | VS-I047010 | 1643-39-6    |
| 12481 | Ivacaftor Impurity 8                             | VS-I047011 | 1182822-31-6 |
| 12482 | Ivacaftor Impurity 9                             | VS-I047012 | 13721-01-2   |
| 12483 | Ivacaftor Impurity 10                            | VS-I047013 | N/A          |
| 12484 | Ivacaftor Impurity 12                            | VS-I047014 | 52980-28-6   |
| 12485 | 2,4-Di-tert-butyl-6-nitrophenyl methyl carbonate | VS-I047015 | 873055-56-2  |
| 12486 | Hydroxymethyl Ivacaftor                          | VS-I047016 | 1246213-23-9 |
| 12487 | Ivacaftor Impurity 13                            | VS-I047017 | 2760759-55-3 |
| 12488 | Ivacaftor Impurity 14                            | VS-I047018 | 2760759-58-6 |
| 12489 | Ivermectin                                       | VS-I048000 | 70288-86-7   |
| 12490 | Ivermectin EP Impurity A                         | VS-I048001 | 65195-55-3   |
| 12491 | Ivermectin EP Impurity B                         | VS-I048002 | 65195-56-4   |
| 12492 | Ivermectin EP Impurity C                         | VS-I048003 | 65195-57-5   |
| 12493 | Ivermectin EP Impurity D                         | VS-I048004 | 102190-55-6  |
| 12494 | Ivermectin EP Impurity E                         | VS-I048005 | N/A          |
| 12495 | Ivermectin EP Impurity F                         | VS-I048006 | N/A          |
| 12496 | Ivermectin EP Impurity G                         | VS-I048007 | 73162-95-5   |
| 12497 | Ivermectin EP Impurity H                         | VS-I048008 | 71837-27-9   |
| 12498 | Ivermectin EP Impurity I                         | VS-I048009 | 1135339-49-9 |
| 12499 | Ivermectin EP Impurity J                         | VS-I048010 | N/A          |
| 12500 | Ivermectin EP Impurity K                         | VS-I048011 | 74567-01-4   |
| 12501 | Ivermectin 2-epimer                              | VS-I048012 | N/A          |
| 12502 | 24-Ethyl Ivermectin                              | VS-I048013 | N/A          |
| 12503 | 8a-hydroperoxide Ivermectin                      | VS-I048014 | N/A          |
| 12504 | Ivermectin B1a                                   | VS-I048015 | 71827-03-7   |
| 12505 | Ivermectin B1b                                   | VS-I048016 | 70209-81-3   |
| 12506 | 8a-Oxo Avermectin B1a                            | VS-I048017 | 102190-68-1  |
| 12507 | 3''-O-Demethyl Ivermectin                        | VS-I048018 | 92137-95-6   |
| 12508 | 8a-Hydroxy Ivermectin B1a                        | VS-I048019 | N/A          |
| 12509 | Ivermectin Impurity 1                            | VS-I048020 | N/A          |
| 12510 | Ivosidenib                                       | VS-I049000 | 1448347-49-6 |
| 12511 | Ivosidenib Impurity 1                            | VS-I049001 | N/A          |

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| 12512 | Ivosidenib Impurity 2            | VS-I049002 | N/A          |
| 12513 | Ivosidenib Impurity 3            | VS-I049003 | N/A          |
| 12514 | Ivosidenib Impurity 4            | VS-I049004 | N/A          |
| 12515 | Ivosidenib Impurity 5            | VS-I049005 | N/A          |
| 12516 | Ivosidenib Impurity 6            | VS-I049006 | N/A          |
| 12517 | Ivosidenib Impurity 7            | VS-I049007 | N/A          |
| 12518 | Ixabepilone                      | VS-I050000 | 219989-84-1  |
| 12519 | Ixabepilone Impurity 1           | VS-I050001 | 1220999-09-6 |
| 12520 | Ixabepilone Impurity 2           | VS-I050002 | 219989-85-2  |
| 12521 | Ixabepilone Impurity 3           | VS-I050003 | 444197-71-1  |
| 12522 | Ixabepilone Impurity 4           | VS-I050004 | 1220999-07-4 |
| 12523 | Icotinib Hydrochloride           | VS-I051000 | 1204313-51-8 |
| 12524 | Icotinib Impurity 1              | VS-I051001 | NA           |
| 12525 | Icotinib Impurity 2              | VS-I051002 | NA           |
| 12526 | Iguratimod                       | VS-I052000 | 123663-49-0  |
| 12527 | Iguratimod Impurity 1            | VS-I052001 | 123663-50-3  |
| 12528 | Iguratimod Impurity 2            | VS-I052002 | 1179354-65-4 |
| 12529 | Imeglimin                        | VS-I053000 | 775351-65-0  |
| 12530 | Imeglimin Impurity 1             | VS-I053001 | 16491-66-0   |
| 12531 | Imeglimin Impurity 2             | VS-I053002 | 775351-62-7  |
| 12532 | Imeglimin Impurity 3             | VS-I053003 | NA           |
| 12533 | Imeglimin S-Isomer               | VS-I053004 | 794495-43-5  |
| 12534 | Imidapril                        | VS-I054000 | 89371-37-9   |
| 12535 | N-Nitroso Imidapril              | VS-I054001 | NA           |
| 12536 | Imiquimod                        | VS-I055000 | 99011-02-6   |
| 12537 | Imiquimod USP Related Compound A | VS-I055001 | 99010-24-9   |
| 12538 | Imiquimod USP Related Compound B | VS-I055002 | 99010-63-6   |
| 12539 | Imiquimod USP Related Compound C | VS-I055003 | 99010-64-7   |
| 12540 | Imiquimod Impurity 1             | VS-I055004 | 99010-99-8   |
| 12541 | Imiquimod Impurity 2             | VS-I055005 | 415726-68-0  |
| 12542 | Indinavir Sulfate                | VS-I056000 | 157810-81-6  |
| 12543 | Indocyanine Green                | VS-I057000 | NA           |
| 12544 | Indocyanine Green Impurity 1     | VS-I057001 | 63149-24-6   |
| 12545 | Indocyanine Green Impurity 2     | VS-I057002 | 171429-39-3  |
| 12546 | Infigratinib                     | VS-I058000 | 872511-34-7  |
| 12547 | Inosine                          | VS-I059000 | 58-63-9      |
| 12548 | 2',3',5'-Tri-O-Benzoylinosine    | VS-I059001 | 6741-88-4    |
| 12549 | Iodixanol                        | VS-I060000 | 92339-11-2   |
| 12550 | Iodixanol EP Impurity A          | VS-I060001 | 66108-95-0   |
| 12551 | Iodixanol EP Impurity B          | VS-I060002 | 31127-80-7   |
| 12552 | Iodixanol EP Impurity C          | VS-I060003 | 171897-74-8  |
| 12553 | Iodixanol EP Impurity E          | VS-I060004 | 255376-57-9  |
| 12554 | Iodixanol EP Impurity F          | VS-I060005 | 171897-73-7  |
| 12555 | Iodixanol EP Impurity G          | VS-I060006 | 171897-72-6  |
| 12556 | Iodixanol EP Impurity H          | VS-I060007 | NA           |
| 12557 | Iodixanol EP Impurity I          | VS-I060008 | NA           |
| 12558 | Iodixanol USP Related compound D | VS-I060009 | 89797-00-2   |

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| 12559 | Iodixanol Impurity 1                | VS-I060010 | NA           |
| 12560 | Iohexol                             | VS-I061000 | 66108-95-0   |
| 12561 | Iohexol EP Impurity A               | VS-I061001 | 31127-80-7   |
| 12562 | Iohexol EP Impurity B               | VS-I061002 | 2732209-64-0 |
| 12563 | Iohexol EP Impurity C               | VS-I061003 | 2724765-15-3 |
| 12564 | Iohexol EP Impurity D               | VS-I061004 | 2731968-49-1 |
| 12565 | Iohexol EP Impurity E               | VS-I061005 | 2727061-52-9 |
| 12566 | Iohexol EP Impurity F               | VS-I061006 | 1215856-35-1 |
| 12567 | Iohexol EP Impurity G               | VS-I061007 | NA           |
| 12568 | Iohexol EP Impurity H               | VS-I061008 | 1651211-78-7 |
| 12569 | Iohexol EP Impurity I               | VS-I061009 | 196309-19-0  |
| 12570 | Iohexol EP Impurity J               | VS-I061010 | 76801-93-9   |
| 12571 | Iohexol EP Impurity K               | VS-I061011 | 35453-19-1   |
| 12572 | Iohexol EP Impurity L               | VS-I061012 | 37441-29-5   |
| 12573 | Iohexol EP Impurity M               | VS-I061013 | NA           |
| 12574 | Iohexol EP Impurity N               | VS-I061014 | 2730989-02-1 |
| 12575 | Iohexol EP Impurity O               | VS-I061015 | 2725999-26-6 |
| 12576 | Iohexol EP Impurity P               | VS-I061016 | NA           |
| 12577 | Iohexol EP Impurity Q               | VS-I061017 | NA           |
| 12578 | Iohexol USP Related Compound C      | VS-I061018 | 76820-34-3   |
| 12579 | Ioversol                            | VS-I062000 | 87771-40-2   |
| 12580 | Ioversol USP Related Compound B     | VS-I062001 | 104517-96-6  |
| 12581 | Irganox 1035                        | VS-I063000 | 41484-35-9   |
| 12582 | Irganox 1010                        | VS-I063001 | 6683-19-8    |
| 12583 | Irganox 1076                        | VS-I063002 | 2082-79-3    |
| 12584 | Irganox 1520                        | VS-I063003 | 110553-27-0  |
| 12585 | Oxaspiro                            | VS-I063004 | 82304-66-3   |
| 12586 | Irganox 1010-D8                     | VS-I063005 | NA           |
| 12587 | Isopropyl Palmitate                 | VS-I064000 | 142-91-6     |
| 12588 | Istradefylline                      | VS-I065000 | 155270-99-8  |
| 12589 | Ixazomib                            | VS-I066000 | 1072833-77-2 |
| 12590 | Ixazomib Impurity 1                 | VS-I066001 | NA           |
| 12591 | S-Ixazomib Citrate                  | VS-I066002 | NA           |
| 12592 | Ixazomib Citrate                    | VS-I066003 | 1239908-20-3 |
| 12593 | Ixazomib Impurity 2                 | VS-I066004 | NA           |
| 12594 | Ixazomib Impurity 3                 | VS-I066005 | 1378314-08-9 |
| 12595 | Ixazomib Isovaleryl                 | VS-I066006 | NA           |
| 12596 | Iscotrizinol                        | VS-I067000 | 154702-15-5  |
| 12597 | Iscotrizinol USP Related Compound B | VS-I067001 | NA           |
| 12598 | Iscotrizinol USP Related Compound C | VS-I067002 | 2176430-10-5 |
| 12599 | Iscotrizinol USP Related Compound D | VS-I067003 | NA           |
| 12600 | Iscotrizinol USP Related Compound F | VS-I067004 | NA           |
| 12601 | Iscotrizinol USP Related Compound G | VS-I067005 | 2174063-29-5 |
| 12602 | Iscotrizinol USP Related Compound I | VS-I067006 | 2174063-30-8 |
| 12603 | Jacobine                            | VS-J001000 | 6870-67-3    |
| 12604 | Jacobine N-oxide                    | VS-J001001 | 38710-25-7   |
| 12605 | Josamycin                           | VS-J002000 | 16846-24-5   |

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| 12606 | Josamycin EP Impurity A                     | VS-J002001 | 18361-46-1   |
| 12607 | Josamycin EP Impurity B                     | VS-J002002 | 40361-41-9   |
| 12608 | Josamycin EP Impurity D                     | VS-J002003 | NA           |
| 12609 | Josamycin EP Impurity E                     | VS-J002004 | 40615-47-2   |
| 12610 | Josamycin EP Impurity F                     | VS-J002005 | 22875-15-6   |
| 12611 | Josamycin EP Impurity G                     | VS-J002006 | 18361-49-4   |
| 12612 | Josamycin EP Impurity H                     | VS-J002007 | 16846-34-7   |
| 12613 | Josamycin EP Impurity I                     | VS-J002008 | 18361-47-2   |
| 12614 | Josamycin EP Impurity J                     | VS-J002009 | 851759-08-5  |
| 12615 | Josamycin EP Impurity K                     | VS-J002010 | 18361-48-3   |
| 12616 | Josamycin EP Impurity K                     | VS-J002011 | 18361-48-4   |
| 12617 | Kaempferol                                  | VS-K001000 | 520-18-3     |
| 12618 | Kaempferol 3-O-Galactoside                  | VS-K001001 | 23627-87-4   |
| 12619 | Kaempferol-3-Glucuronide                    | VS-K001002 | 22688-78-4   |
| 12620 | Kaempferol-3-O-(6-Malonyl-Glucoside)        | VS-K001003 | 81149-02-2   |
| 12621 | Kaempferol-3-O-(6''-O-p-Coumaroyl)Glucoside | VS-K001004 | 20316-62-5   |
| 12622 | kaempferol 3-rutinoside                     | VS-K001005 | 17650-84-9   |
| 12623 | Ketoconazole                                | VS-K002000 | 65277-42-1   |
| 12624 | Ketoconazole EP Impurity A                  | VS-K002001 | N/A          |
| 12625 | Ketoconazole EP Impurity B                  | VS-K002002 | 1346598-39-7 |
| 12626 | Ketoconazole EP Impurity C                  | VS-K002003 | 83374-59-8   |
| 12627 | Ketoconazole EP Impurity D                  | VS-K002004 | 67914-61-8   |
| 12628 | Ketoconazole EP Impurity E                  | VS-K002005 | 134071-44-6  |
| 12629 | Ketoconazole Hydroxymethyl Impurity         | VS-K002006 | 170210-42-1  |
| 12630 | Ketoconazole N-Oxide                        | VS-K002007 | 254912-65-7  |
| 12631 | p-Toluenesulfonyl Chloride                  | VS-K002008 | 98-59-9      |
| 12632 | 1,3-Difluorobenzene                         | VS-K002009 | 372-18-9     |
| 12633 | Ketoconazole Alcohol ( R ,R )               | VS-K002010 | N/A          |
| 12634 | Cis-tosylate Ketoconazole                   | VS-K002011 | 2095256-87-2 |
| 12635 | Ketoconazole Hydroxy Impurity               | VS-K002012 | N/A          |
| 12636 | Ketoconazole Impurity 1                     | VS-K002013 | 581806-59-9  |
| 12637 | Ketoconazole Impurity 2                     | VS-K002014 | N/A          |
| 12638 | Ketoconazole Impurity 3                     | VS-K002015 | 170210-49-8  |
| 12639 | Ketoconazole Impurity 4                     | VS-K002016 | 170210-39-6  |
| 12640 | Ketoconazole Impurity 5                     | VS-K002017 | 2234-16-4    |
| 12641 | Ketoconazole Impurity 6                     | VS-K002018 | 1610851-14-3 |
| 12642 | Ketoconazole Impurity 7                     | VS-K002019 | N/A          |
| 12643 | Ketoconazole Impurity 9                     | VS-K002020 | N/A          |
| 12644 | Ketoconazole Impurity 10                    | VS-K002021 | N/A          |
| 12645 | Ketoconazole Impurity 11                    | VS-K002022 | 67914-60-7   |
| 12646 | Ketoconazole Impurity 12                    | VS-K002023 | 84682-23-5   |
| 12647 | Ketoconazole Impurity 13                    | VS-K002024 | 170210-46-5  |
| 12648 | Ketoconazole Impurity 14                    | VS-K002025 | 170210-50-1  |
| 12649 | Ketoconazole Impurity 15                    | VS-K002026 | N/A          |
| 12650 | Ketoconazole Impurity 16                    | VS-K002027 | N/A          |
| 12651 | Ketoconazole Impurity 17                    | VS-K002028 | 61397-58-8   |
| 12652 | Ketoconazole Impurity 18                    | VS-K002029 | 1334423-12-9 |

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| 12653 | Ketoconazole Impurity 19                                                      | VS-K002030 | 98405-42-6   |
| 12654 | Ketoconazole Impurity 20                                                      | VS-K002031 | 91458-32-1   |
| 12655 | Ketoconazole EP Impurity A                                                    | VS-K002032 | 254912-63-5  |
| 12656 | Ketoprofen                                                                    | VS-K003000 | 22071-15-4   |
| 12657 | Ketoprofen EP Impurity A                                                      | VS-K003001 | 66067-44-5   |
| 12658 | Ketoprofen EP Impurity B                                                      | VS-K003002 | 22071-22-3   |
| 12659 | Ketoprofen EP Impurity C                                                      | VS-K003003 | 68432-95-1   |
| 12660 | Ketoprofen EP Impurity D                                                      | VS-K003004 | 107257-20-5  |
| 12661 | Ketoprofen EP Impurity E                                                      | VS-K003005 | 59512-16-2   |
| 12662 | Ketoprofen EP Impurity F                                                      | VS-K003006 | 42872-30-0   |
| 12663 | Ketoprofen EP Impurity G                                                      | VS-K003007 | 5537-71-3    |
| 12664 | Ketoprofen EP Impurity H                                                      | VS-K003008 | 5689-33-8    |
| 12665 | Ketoprofen EP Impurity I                                                      | VS-K003009 | 21288-34-6   |
| 12666 | Ketoprofen EP Impurity J                                                      | VS-K003010 | 1785759-59-2 |
| 12667 | Ketoprofen EP Impurity K                                                      | VS-K003011 | N/A          |
| 12668 | Ketoprofen EP Impurity L                                                      | VS-K003012 | 1797984-80-5 |
| 12669 | Ketoprofen Ethyl Ester                                                        | VS-K003013 | 60658-04-0   |
| 12670 | Ketoprofen Methyl Ester                                                       | VS-K003014 | 47087-07-0   |
| 12671 | Ketoprofen S-Isomer                                                           | VS-K003015 | 22161-81-5   |
| 12672 | Ketoprofen R-Isomer                                                           | VS-K003016 | 56105-81-8   |
| 12673 | 3-Ethylbenzophenone (Ibuprofen Related Impurity, Ketoprofen Related Impurity) | VS-K003017 | 66067-43-4   |
| 12674 | Ketoprofen 2-Ethylhexyl Ester                                                 | VS-K003018 | N/A          |
| 12675 | Ketoprofen Lysinate                                                           | VS-K003019 | 57469-78-0   |
| 12676 | Ketoprofen Sodium Salt                                                        | VS-K003020 | 57495-14-4   |
| 12677 | (S)-Ketoprofen Tromethamine Salt (Dexketoprofen Trometamol)                   | VS-K003021 | 156604-79-4  |
| 12678 | Ketoprofen Sorbitol Ester                                                     | VS-K003022 | N/A          |
| 12679 | Ketoprofen 1,4-Sorbitol Ester                                                 | VS-K003023 | N/A          |
| 12680 | Ketoprofen Tromethamine Amide                                                 | VS-K003024 | 1777830-05-3 |
| 12681 | rac-Ketoprofen acyl-beta-D-glucuronide (mixture of isomers)                   | VS-K003025 | 76690-94-3   |
| 12682 | R-Ketoprofen Tromethamine salt                                                | VS-K003026 | 167300-68-7  |
| 12683 | Ketoprofen Impurity 1                                                         | VS-K003027 | 2377141-19-8 |
| 12684 | Ketoprofen Impurity 2                                                         | VS-K003028 | N/A          |
| 12685 | Ketoprofen Impurity 3                                                         | VS-K003029 | 220662-26-0  |
| 12686 | Ketoprofen Impurity 4                                                         | VS-K003030 | 643-65-2     |
| 12687 | Ketoprofen Impurity 5                                                         | VS-K003031 | 59960-32-6   |
| 12688 | Ketoprofen Impurity 6                                                         | VS-K003032 | N/A          |
| 12689 | Ketoprofen Impurity 7                                                         | VS-K003033 | N/A          |
| 12690 | Ketoprofen Impurity 8                                                         | VS-K003034 | N/A          |
| 12691 | Ketoprofen Impurity 9                                                         | VS-K003035 | N/A          |
| 12692 | Ketoprofen Impurity 10                                                        | VS-K003036 | 929543-66-8  |
| 12693 | Ketoprofen Impurity 11                                                        | VS-K003037 | 139093-77-9  |
| 12694 | Ketoprofen Impurity 12                                                        | VS-K003038 | 67333-33-9   |
| 12695 | Ketoprofen Impurity 13                                                        | VS-K003039 | 1420774-68-0 |
| 12696 | Ketoprofen Impurity 14                                                        | VS-K003040 | 144977-91-3  |
| 12697 | Ketoprofen Impurity 15                                                        | VS-K003041 | 1329603-28-2 |
| 12698 | Ketorolac                                                                     | VS-K004000 | 74103-06-3   |



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| 12699 | Ketorolac EP Impurity A                          | VS-K004001 | 154476-25-2  |
| 12700 | Ketorolac EP Impurity B                          | VS-K004002 | 113502-52-6  |
| 12701 | Ketorolac EP Impurity C                          | VS-K004003 | 1026936-07-1 |
| 12702 | Ketorolac EP Impurity D                          | VS-K004004 | 1391053-45-4 |
| 12703 | Ketorolac EP Impurity E                          | VS-K004005 | 167105-80-8  |
| 12704 | Ketorolac EP Impurity F                          | VS-K004006 | 1391052-68-8 |
| 12705 | Ketorolac EP Impurity G                          | VS-K004007 | 1391051-90-3 |
| 12706 | Ketorolac EP Impurity H                          | VS-K004008 | 80965-09-9   |
| 12707 | Ketorolac EP Impurity I                          | VS-K004009 | 113502-55-9  |
| 12708 | Ketorolac EP Impurity J                          | VS-K004010 | 108061-03-6  |
| 12709 | Ketorolac 1-Acetyloxy Methyl Ester               | VS-K004011 | N/A          |
| 12710 | Ketorolac 1-Hydroxy Acid Sodium Salt             | VS-K004012 | N/A          |
| 12711 | Ketorolac 1-Imino Impurity                       | VS-K004013 | N/A          |
| 12712 | Ketorolac 1-Methoxy Methyl Ester                 | VS-K004014 | 2469039-47-0 |
| 12713 | Ketorolac 2-Benzoylpyrrole Chloro Impurity       | VS-K004015 | 87549-01-7   |
| 12714 | Ketorolac 2-Benzoylpyrrole Cyano Impurity        | VS-K004016 | 1256844-82-2 |
| 12715 | Ketorolac 2-Benzoylpyrrole Impurity              | VS-K004017 | 7697-46-3    |
| 12716 | Ketorolac 2-Benzoylpyrrole Iodo Impurity         | VS-K004018 | 141031-77-8  |
| 12717 | Ketorolac 3-Benzoylpyrrole Chloro Ester Impurity | VS-K004019 | 2469261-14-9 |
| 12718 | Ketorolac 3-Benzoylpyrrole Chloro Impurity       | VS-K004020 | 2384938-36-5 |
| 12719 | Ketorolac 3-Benzoylpyrrole Diester Impurity      | VS-K004021 | N/A          |
| 12720 | Ketorolac 3-Benzoylpyrrole Ester Impurity        | VS-K004022 | 141054-42-4  |
| 12721 | Ketorolac 3-Benzoylpyrrole Impurity              | VS-K004023 | 7126-41-2    |
| 12722 | Ketorolac 3-Benzoylpyrrole Iodo Ester Impurity   | VS-K004024 | 2514961-30-7 |
| 12723 | Ketorolac 3-Benzoylpyrrole Iodo Impurity         | VS-K004025 | N/A          |
| 12724 | Ketorolac 4-Hydroxy Metabolite                   | VS-K004026 | 111930-01-9  |
| 12725 | Ketorolac 6-Benzoyl Acid Ethyl Ester             | VS-K004027 | 2514847-58-4 |
| 12726 | Ketorolac Pyrrole Ester Impurity                 | VS-K004028 | 4778-25-0    |
| 12727 | Ketorolac R-Isomer                               | VS-K004029 | 66635-93-6   |
| 12728 | Ketorolac S-Isomer                               | VS-K004030 | 66635-92-5   |
| 12729 | Ketorolac Trometamol                             | VS-K004031 | 74103-07-4   |
| 12730 | Ketorolac Tromethamine Impurity                  | VS-K004032 | 5617-70-9    |
| 12731 | Ketorolac Chloro Impurity                        | VS-K004033 | N/A          |
| 12732 | Ketorolac Monoester Impurity                     | VS-K004034 | 141054-41-3  |
| 12733 | Ketorolac Acetate Impurity                       | VS-K004035 | 144710-34-9  |
| 12734 | Ketorolac Impurity 1                             | VS-K004036 | 141054-45-7  |
| 12735 | Ketorolac Impurity 2                             | VS-K004037 | 140947-23-5  |
| 12736 | Ketorolac Impurity 3                             | VS-K004038 | 80965-18-0   |
| 12737 | Ketorolac Impurity 4                             | VS-K004039 | 84023-60-9   |
| 12738 | Ketorolac Impurity 5                             | VS-K004040 | 141031-80-3  |
| 12739 | Ketotifen Fumarate                               | VS-K005000 | 34580-14-8   |
| 12740 | Ketotifen Fumarate EP Impurity A                 | VS-K005001 | 4673-38-5    |
| 12741 | Ketotifen Fumarate EP Impurity B                 | VS-K005002 | 59743-88-3   |
| 12742 | Ketotifen Fumarate EP Impurity C                 | VS-K005003 | 126939-27-3  |
| 12743 | Ketotifen Fumarate EP Impurity D                 | VS-K005004 | 88456-70-6   |
| 12744 | Ketotifen Fumarate EP Impurity E                 | VS-K005005 | 1346603-71-1 |
| 12745 | Ketotifen Fumarate EP Impurity F                 | VS-K005006 | 34580-09-1   |

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| 12746 | Ketotifen Fumarate EP Impurity G      | VS-K005007 | 43076-16-0   |
| 12747 | Ketotifen Impurity 1                  | VS-K005008 | 59743-84-9   |
| 12748 | Ketotifen Impurity 2                  | VS-K005009 | 5570-77-4    |
| 12749 | Kanamycin Monosulfate                 | VS-K006000 | 25389-94-0   |
| 12750 | Kanamycin A                           | VS-K006001 | 59-01-8      |
| 12751 | Ketamine Hydrochloride                | VS-K007000 | 1867-66-9    |
| 12752 | Ketamine Hydrochloride EP Impurity A  | VS-K007001 | 6740-87-0    |
| 12753 | Ketamine Hydrochloride EP Impurity B  | VS-K007002 | 1823362-29-3 |
| 12754 | Ketamine Hydrochloride EP Impurity C  | VS-K007003 | 90717-17-2   |
| 12755 | (2R,6R)-Hydroxynorketamine HCl        | VS-K007004 | 1430202-69-9 |
| 12756 | Ketamine Hydrochloride Impurity 1     | VS-K007005 | 79499-56-2   |
| 12757 | Ketamine Hydrochloride Impurity 2     | VS-K007006 | 2382242-75-1 |
| 12758 | Ketamine Hydrochloride Impurity 3     | VS-K007007 | 2420454-91-5 |
| 12759 | Hydroxynorketamine Hydrochloride      | VS-K007008 | 2173991-73-4 |
| 12760 | N-Nitroso Ketamine (S-Isomer)         | VS-K007009 | NA           |
| 12761 | N-Nitroso Ketamine (R-Isomer)         | VS-K007010 | NA           |
| 12762 | N-Nitroso ketamine                    | VS-K007011 | 86144-35-6   |
| 12763 | (S)-Ketamine D6 Hydrochloride         | VS-K007012 | 2714437-37-1 |
| 12764 | Ketazolam                             | VS-K008000 | 27223-35-4   |
| 12765 | Ketobemidone Hydrochloride            | VS-K009000 | 5965-49-1    |
| 12766 | Ketobemidone EP Impurity A            | VS-K009001 | 79032-63-6   |
| 12767 | Ketobemidone EP Impurity B            | VS-K009002 | 64058-44-2   |
| 12768 | Ketobemidone EP Impurity C            | VS-K009003 | 15847-72-0   |
| 12769 | Ketobemidone EP Impurity D            | VS-K009004 | 43152-59-6   |
| 12770 | Ketobemidone EP Impurity E            | VS-K009005 | 1043886-45-8 |
| 12771 | Labetalol Hydrochloride               | VS-L001000 | 32780-64-6   |
| 12772 | Labetalol EP Impurity A Hydrochloride | VS-L001001 | 2726492-68-6 |
| 12773 | Labetalol EP Impurity B               | VS-L001002 | 802620-01-5  |
| 12774 | Labetalol EP Impurity B Hydrochloride | VS-L001003 | 33778-93-7   |
| 12775 | Labetalol Impurity C                  | VS-L001004 | 30566-92-8   |
| 12776 | Labetalol EP Impurity C               | VS-L001005 | 2386661-13-6 |
| 12777 | Labetalol Impurity D                  | VS-L001006 | N/A          |
| 12778 | Labetalol EP Impurity D               | VS-L001007 | 32780-65-7   |
| 12779 | Labetalol EP Impurity E               | VS-L001008 | N/A          |
| 12780 | Labetalol EP Impurity F               | VS-L001009 | 85665-85-6   |
| 12781 | Labetalol EP Impurity G               | VS-L001010 | N/A          |
| 12782 | Labetalol RS-SR Diastereoisomer       | VS-L001011 | N/A          |
| 12783 | Labetalol RR-SS Diastereoisomer       | VS-L001012 | N/A          |
| 12784 | 5-Bromoacetyl salicylamide            | VS-L001013 | 73866-23-6   |
| 12785 | 3-Amino-1-phenylbutane                | VS-L001014 | 22374-89-6   |
| 12786 | 5-Chloroacetylsalicylamide            | VS-L001015 | 33254-88-5   |
| 12787 | 5,5-Dibromoacetyl salicylamide        | VS-L001016 | N/A          |
| 12788 | 5-Acetyl Salicylamide                 | VS-L001017 | N/A          |
| 12789 | Labetalol 2-Hydroxy Impurity          | VS-L001018 | N/A          |
| 12790 | Labetalol Cyclohexyl Derivative       | VS-L001019 | N/A          |
| 12791 | Labetalol Impurity 1                  | VS-L001020 | 76143-20-9   |
| 12792 | Labetalol Impurity 2                  | VS-L001021 | N/A          |

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| 12793 | Labetalol Impurity 3                         | VS-L001022 | N/A          |
| 12794 | Rac 4-(3-Aminobutyl)Phenol                   | VS-L001023 | 52846-75-0   |
| 12795 | N-Nitroso Labetolol                          | VS-L001024 | 2820170-74-7 |
| 12796 | Labetalol                                    | VS-L001025 | 36894-69-6   |
| 12797 | Lacidipine                                   | VS-L002000 | 103890-78-4  |
| 12798 | Lacidipine Regio Impurity                    | VS-L002001 | 1160755-72-5 |
| 12799 | Lacidipine cis-Isomer                        | VS-L002002 | 103890-79-5  |
| 12800 | Dehydro Lacidipine                           | VS-L002003 | 130996-24-6  |
| 12801 | Lacidipine Monomethyl Ester                  | VS-L002004 | 103890-81-9  |
| 12802 | Lacidipine Dimer                             | VS-L002005 | 926293-66-5  |
| 12803 | Lacidipine Impurity 1                        | VS-L002006 | 103890-69-3  |
| 12804 | Lacidipine Impurity 2                        | VS-L002007 | 28272-96-0   |
| 12805 | Lacosamide                                   | VS-L003000 | 175481-36-4  |
| 12806 | Lacosamide EP Impurity A                     | VS-L003001 | 175481-37-5  |
| 12807 | Lacosamide EP Impurity C (R-isomer)          | VS-L003002 | 2742962-60-1 |
| 12808 | Lacosamide EP Impurity B (R-Isomer)          | VS-L003003 | 1318777-54-6 |
| 12809 | Lacosamide USP Related Compound B            | VS-L003004 | 1822463-67-1 |
| 12810 | Lacosamide EP Impurity D (R-isomer)          | VS-L003005 | 196601-69-1  |
| 12811 | Lacosamide Related Compound D (Oxalate Salt) | VS-L003006 | 1379592-19-4 |
| 12812 | Lacosamide EP Impurity E (R-isomer)          | VS-L003007 | 175481-39-7  |
| 12813 | Lacosamide EP Impurity F (R-isomer)          | VS-L003008 | 175481-38-6  |
| 12814 | Lacosamide EP Impurity G                     | VS-L003009 | 588-46-5     |
| 12815 | Lacosamide EP Impurity H                     | VS-L003010 | N/A          |
| 12816 | Lacosamide EP Impurity I (R-isomer)          | VS-L003011 | N/A          |
| 12817 | Lacosamide EP Impurity J                     | VS-L003012 | 100-46-9     |
| 12818 | Lacosamide EP Impurity K                     | VS-L003013 | 86921-49-5   |
| 12819 | Lacosamide N-Ethylcarbonyl Analog            | VS-L003014 | 1318777-56-8 |
| 12820 | Lacosamide N-Methyl Impurity                 | VS-L003015 | 388619-64-5  |
| 12821 | N-Methylbenzylamine                          | VS-L003016 | 103-67-3     |
| 12822 | N,N-Dimethylbenzylamine                      | VS-L003017 | 103-83-3     |
| 12823 | Lacosamide Impurity A                        | VS-L003018 | 171623-02-2  |
| 12824 | Lacosamide Impurity B                        | VS-L003019 | N/A          |
| 12825 | Lacosamide Impurity C                        | VS-L003020 | 1466-67-7    |
| 12826 | Lacosamide Impurity 1                        | VS-L003021 | 3287-99-8    |
| 12827 | Lacosamide Impurity 2                        | VS-L003022 | 140-11-4     |
| 12828 | Lacosamide Impurity 5                        | VS-L003023 | N/A          |
| 12829 | Lacosamide EP Impurity I                     | VS-L003024 | 2295925-90-3 |
| 12830 | Lacosamide Impurity 7                        | VS-L003025 | N/A          |
| 12831 | Lacosamide Impurity 8                        | VS-L003026 | 98632-99-6   |
| 12832 | Lacosamide Impurity 9                        | VS-L003027 | N/A          |
| 12833 | Lacosamide Impurity 10                       | VS-L003028 | N/A          |
| 12834 | N-Acetyl-O-Methyl-D-Serine                   | VS-L003029 | 196601-67-9  |
| 12835 | Lacosamide Impurity 11                       | VS-L003030 | 1253790-58-7 |
| 12836 | Lactitol                                     | VS-L004000 | 585-86-4     |
| 12837 | Lactitol EP Impurity A                       | VS-L004001 | 63-42-3      |
| 12838 | Lactitol EP Impurity B                       | VS-L004002 | N/A          |
| 12839 | Lactitol EP Impurity C                       | VS-L004003 | 69-65-8      |

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| 12840 | Lactitol EP Impurity D                            | VS-L004004 | 608-66-2     |
| 12841 | Lactitol EP Impurity E                            | VS-L004005 | 50-70-4      |
| 12842 | Lactulose                                         | VS-L005000 | 4618-18-2    |
| 12843 | Lactulose EP Impurity A                           | VS-L005001 | 20869-27-6   |
| 12844 | Lactulose EP Impurity B                           | VS-L005002 | 10257-28-0   |
| 12845 | Lactulose EP Impurity C                           | VS-L005003 | 13299-27-9   |
| 12846 | Lactulose EP Impurity D                           | VS-L005004 | 7660-25-5    |
| 12847 | Lactulose EP Impurity E                           | VS-L005005 | 20197-42-6   |
| 12848 | Lactulose Impurity 1                              | VS-L005006 | N/A          |
| 12849 | Lafutidine                                        | VS-L006000 | 118288-08-7  |
| 12850 | Lafutidine (E)-Isomer                             | VS-L006001 | 206449-94-7  |
| 12851 | Lafutidine Impurity B                             | VS-L006002 | 174583-84-7  |
| 12852 | Lafutidine Dihydro Impurity                       | VS-L006003 | 118288-14-5  |
| 12853 | Lafutidine Acetate Ester Impurity                 | VS-L006004 | 169899-18-7  |
| 12854 | Lafutidine Sulfone Impurity                       | VS-L006005 | N/A          |
| 12855 | Lafutidine Reduce Impurity                        | VS-L006006 | N/A          |
| 12856 | Lafutidine Impurity 1                             | VS-L006007 | 103922-84-5  |
| 12857 | Lafutidine Impurity 2                             | VS-L006008 | 169899-16-5  |
| 12858 | Lafutidine Impurity 3                             | VS-L006009 | 169899-15-4  |
| 12859 | Lafutidine Impurity 4                             | VS-L006010 | 169899-17-6  |
| 12860 | Lafutidine Impurity 5                             | VS-L006011 | 154923-16-7  |
| 12861 | Laidlomycin Propionate Potassium                  | VS-L007001 | 84799-02-0   |
| 12862 | Lamivudine                                        | VS-L008000 | 134678-17-4  |
| 12863 | Lamivudine EP Impurity A                          | VS-L008001 | 1822826-02-7 |
| 12864 | Lamivudine EP Impurity B                          | VS-L008002 | 141434-39-1  |
| 12865 | Lamivudine EP Impurity C                          | VS-L008003 | 69-72-7      |
| 12866 | Lamivudine EP Impurity D                          | VS-L008004 | 134680-32-3  |
| 12867 | Lamivudine EP Impurity E                          | VS-L008005 | 71-30-7      |
| 12868 | Lamivudine EP Impurity F                          | VS-L008006 | 66-22-8      |
| 12869 | Lamivudine EP Impurity G                          | VS-L008007 | 160552-55-6  |
| 12870 | Lamivudine EP Impurity H                          | VS-L008008 | N/A          |
| 12871 | Lamivudine EP Impurity I                          | VS-L008009 | N/A          |
| 12872 | Lamivudine EP Impurity J                          | VS-L008010 | 145986-07-8  |
| 12873 | Lamivudine S-oxide                                | VS-L008011 | 1235712-40-9 |
| 12874 | Lamivudine 5-Epimer                               | VS-L008012 | 139757-68-9  |
| 12875 | Lamivudine Related Compound (alpha-Troxacitabine) | VS-L008013 | 145416-37-1  |
| 12876 | Lamivudine Acid (Mixture of Diastereomers)        | VS-L008014 | 2382818-80-4 |
| 12877 | Lamivudine Resolution Mixture B                   | VS-L008015 | N/A          |
| 12878 | Lamivudine Isomer 1                               | VS-L008016 | N/A          |
| 12879 | Lamivudine Isomer 2                               | VS-L008017 | N/A          |
| 12880 | N,N,Lami Teno Monoetser impurity                  | VS-L008018 | N/A          |
| 12881 | Lamivudine EP Impurity A                          | VS-L008019 | 173829-09-9  |
| 12882 | Lamivudine Formaldehyde Adduct Impurity           | VS-L008020 | 1904611-13-7 |
| 12883 | Lamivudine S-oxide                                | VS-L008021 | N/A          |
| 12884 | 5'-epi Lamivudine                                 | VS-L008022 | 139757-68-9  |
| 12885 | Lamivudine Impurity 1                             | VS-L008023 | 147126-80-5  |
| 12886 | Lamivudine Impurity 2                             | VS-L008024 | N/A          |

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| 12887 | Lamivudine Impurity 3                                                                                               | VS-L008025 | N/A          |
| 12888 | Lamivudine Impurity 5                                                                                               | VS-L008026 | 147027-08-5  |
| 12889 | Lamivudine Impurity 6                                                                                               | VS-L008027 | 147126-64-5  |
| 12890 | Lamivudine Impurity 7                                                                                               | VS-L008028 | 147126-63-4  |
| 12891 | Lamivudine Impurity 8                                                                                               | VS-L008029 | 147126-62-3  |
| 12892 | Lamivudine Impurity 9                                                                                               | VS-L008030 | 130949-32-2  |
| 12893 | Lamivudine Impurity 10                                                                                              | VS-L008031 | N/A          |
| 12894 | Lamivudine Impurity 11                                                                                              | VS-L008032 | 200396-19-6  |
| 12895 | Lamivudine Impurity 12                                                                                              | VS-L008033 | 1638744-50-9 |
| 12896 | Lamivudine Impurity 13                                                                                              | VS-L008034 | N/A          |
| 12897 | Lamivudine Impurity 14                                                                                              | VS-L008035 | 147027-10-9  |
| 12898 | 2'-Epi-Lamivudine                                                                                                   | VS-L008036 | 136846-20-3  |
| 12899 | Lamivudine Impurity H                                                                                               | VS-L008037 | 160552-54-5  |
| 12900 | (1R,2S,5R)-2-Isopropyl-5-methylcyclohexyl (2S,5R)-5-(4-amino-2-oxopyrimidin-1(2H)-yl)-1,3-oxathiolane-2-carboxylate | VS-L008038 | 200396-21-0  |
| 12901 | N-Hydroxy lamovidine                                                                                                | VS-L008039 | N/A          |
| 12902 | Lamivudine Dimer Impurity                                                                                           | VS-L008040 | 1904611-18-2 |
| 12903 | Lamivudine Methylene Dimer Impurity                                                                                 | VS-L008041 | N/A          |
| 12904 | Lamivudine Diastereomer Impurity                                                                                    | VS-L008042 | 131086-22-1  |
| 12905 | Lamivudine Salicylate                                                                                               | VS-L008043 | 173522-96-8  |
| 12906 | Lamotrigine                                                                                                         | VS-L009000 | 84057-84-1   |
| 12907 | Lamotrigine EP Impurity A                                                                                           | VS-L009001 | 252186-78-0  |
| 12908 | Lamotrigine EP Impurity B                                                                                           | VS-L009002 | 94213-24-8   |
| 12909 | Lamotrigine EP Impurity C                                                                                           | VS-L009003 | 94213-23-7   |
| 12910 | Lamotrigine EP Impurity D                                                                                           | VS-L009004 | 661463-79-2  |
| 12911 | Lamotrigine EP Impurity E                                                                                           | VS-L009005 | 50-45-3      |
| 12912 | Lamotrigine EP Impurity F                                                                                           | VS-L009006 | 252186-79-1  |
| 12913 | Lamotrigine EP Impurity G                                                                                           | VS-L009007 | 38943-76-9   |
| 12914 | Lamotrigine (2,3 Dichlorophenyl)-oxoacetonitrile                                                                    | VS-L009008 | 77668-42-9   |
| 12915 | Lamotrigine Intermediate                                                                                            | VS-L009009 | N/A          |
| 12916 | 3,4-Dichlorobenzoyl chloride                                                                                        | VS-L009010 | 3024-72-4    |
| 12917 | 2,4-Dichlorobenzoyl chloride                                                                                        | VS-L009011 | 89-75-8      |
| 12918 | 2,5-Dichlorobenzoyl chloride                                                                                        | VS-L009012 | 2905-61-5    |
| 12919 | 3,4 Dichlorobenzoyl nitrile                                                                                         | VS-L009013 | 35022-44-7   |
| 12920 | 2,4 Dichlorobenzoyl nitrile                                                                                         | VS-L009014 | 35022-43-6   |
| 12921 | 2,5 Dichlorobenzoyl nitrile                                                                                         | VS-L009015 | 64985-85-9   |
| 12922 | Lamotrigine Hydroxyl amine                                                                                          | VS-L009016 | N/A          |
| 12923 | Lamotrigine N2-Oxide                                                                                                | VS-L009017 | 136565-76-9  |
| 12924 | Lamotrigine 3-3 Dimer                                                                                               | VS-L009018 | 1797983-48-2 |
| 12925 | Lamotrigine 5-5 Dimer                                                                                               | VS-L009019 | N/A          |
| 12926 | 2,3-Dichlorobenzoic anhydride                                                                                       | VS-L009020 | 51417-52-8   |
| 12927 | 2-Bromo-Lamotrigine                                                                                                 | VS-L009021 | 2518309-57-2 |
| 12928 | 3-Bromo-Lamotrigine                                                                                                 | VS-L009022 | 2514942-90-4 |
| 12929 | 2,4-Dichloro-5-fluorobenzoyl chloride                                                                               | VS-L009023 | 86393-34-2   |
| 12930 | Lamotrigine N2-glucuronide                                                                                          | VS-L009024 | 133310-19-7  |
| 12931 | Lamotrigine Diamide Impurity                                                                                        | VS-L009025 | 1373393-59-9 |
| 12932 | Lamotrigine Amide Impurity                                                                                          | VS-L009026 | 2250242-15-8 |

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| 12933 | Lamotrigine Dioxo Impurity                   | VS-L009027  | 180868-97-7  |
| 12934 | 2,6-Dichlorobenzoyl cyanide                  | VS-L009028  | 88562-25-8   |
| 12935 | Lamotrigine EP Impurity B&C mixture          | VS-L009029  | 84689-20-3   |
| 12936 | Lamotrigine Impurity 2                       | VS-L009030  | 94266-27-0   |
| 12937 | Lamotrigine Impurity 3                       | VS-L009031  | 94213-25-9   |
| 12938 | Lamotrigine Impurity 4                       | VS-L009032  | 356757-50-1  |
| 12939 | Lamotrigine Impurity 5                       | VS-L009033  | N/A          |
| 12940 | Lamotrigine Impurity 6                       | VS-L009034  | N/A          |
| 12941 | Lamotrigine Impurity 7                       | VS-L009035  | N/A          |
| 12942 | Lamotrigine Impurity 8                       | VS-L009036  | 2090976-87-5 |
| 12943 | Lamotrigine Impurity 9                       | VS-L009037  | 252186-80-4  |
| 12944 | Lamotrigine Nitroso impurity 1               | VS-L009038  | 42363-85-9   |
| 12945 | Lamotrigine Nitroso impurity 2               | VS-L009039  | NA           |
| 12946 | Lanreotide                                   | VS-L010000  | 108736-35-2  |
| 12947 | leucovorin                                   | VS-L0100000 | 58-05-9      |
| 12948 | Leucovorin N-Nitroso                         | VS-L0100001 | NA           |
| 12949 | Lansoprazole                                 | VS-L011000  | 103577-45-3  |
| 12950 | Lansoprazole Sodium                          | VS-L011001  | 226904-00-3  |
| 12951 | Lansoprazole EP Impurity A                   | VS-L011002  | 213476-12-1  |
| 12952 | Lansoprazole EP Impurity B                   | VS-L011003  | 131926-99-3  |
| 12953 | Lansoprazole EP Impurity C                   | VS-L011004  | 103577-40-8  |
| 12954 | Lansoprazole Impurity C                      | VS-L011005  | 152402-98-7  |
| 12955 | Lansoprazole EP Impurity D                   | VS-L011006  | 615-16-7     |
| 12956 | Lansoprazole EP Impurity E                   | VS-L011007  | 583-39-1     |
| 12957 | Lansoprazole Impurity E                      | VS-L011008  | 258273-49-3  |
| 12958 | Lansoprazole EP Impurity F                   | VS-L011009  | 168167-42-8  |
| 12959 | Lansoprazole EP Impurity F Sulfide           | VS-L011010  | 103312-62-5  |
| 12960 | Lansoprazole Hydroxymethyl Impurity          | VS-L011011  | 103577-66-8  |
| 12961 | Lansoprazole R-Isomer                        | VS-L011012  | 138530-94-6  |
| 12962 | Lansoprazole S-Isomer                        | VS-L011013  | 138530-95-7  |
| 12963 | Lansoprazole Sulfide Des(trifluoroethyl) Imp | VS-L011014  | 131926-97-1  |
| 12964 | Lansoprazole Sulfide N-Oxide                 | VS-L011015  | 163119-30-0  |
| 12965 | Lansoprazole Sulfone N-Oxide                 | VS-L011016  | 953787-54-7  |
| 12966 | Lansoprazole Thioxo Impurity                 | VS-L011017  | 1246819-06-6 |
| 12967 | Lansoprazole 5-Hydroxy Impurity              | VS-L011018  | 131926-98-2  |
| 12968 | Lansoprazole Chloromethyl Impurity           | VS-L011019  | 127337-60-4  |
| 12969 | Nirosulphoxide Impurity                      | VS-L011020  | 142384-07-4  |
| 12970 | Lansoprazole Cyclisation Impurity            | VS-L011021  | 97266-62-1   |
| 12971 | Destrifluoroethoxy Lansoprazole              | VS-L011022  | 60524-97-2   |
| 12972 | Lansoprazole Related Compound 1              | VS-L011023  | N/A          |
| 12973 | Lansoprazole Thiadiazine Impurity 1          | VS-L011024  | 2518281-98-4 |
| 12974 | Lansoprazole Related Compound 6              | VS-L011025  | N/A          |
| 12975 | Lansoprazole Impurity 1                      | VS-L011026  | 1346598-28-4 |
| 12976 | Lansoprazole Impurity 2                      | VS-L011027  | 37699-43-7   |
| 12977 | Lansoprazole Impurity 3                      | VS-L011028  | N/A          |
| 12978 | Lansoprazole Impurity 4                      | VS-L011029  | N/A          |
| 12979 | Lansoprazole Impurity 5                      | VS-L011030  | N/A          |

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| 12980 | Lansoprazole Impurity 6               | VS-L011031 | 103577-61-3  |
| 12981 | Lansoprazole Impurity 7               | VS-L011032 | 112525-75-4  |
| 12982 | Lansoprazole Related Compound B       | VS-L011033 | 1288338-69-1 |
| 12983 | Lansoprazole Hydroxymethyl Impurity   | VS-L011034 | 253345-80-1  |
| 12984 | Lansoprazole Sulfone 4-Nitro analogue | VS-L011035 | 1187926-85-7 |
| 12985 | Lansoprazole N-alkylated impurity     | VS-L011036 | 1083100-27-9 |
| 12986 | Lapatinib                             | VS-L012000 | 231277-92-2  |
| 12987 | Lapatinib ditosylate hydrate          | VS-L012001 | 903597-10-4  |
| 12988 | Lapatinib Impurity 1                  | VS-L012002 | 1268997-70-1 |
| 12989 | Lapatinib Impurity 2                  | VS-L012003 | 1807733-95-4 |
| 12990 | Lapatinib Impurity 3                  | VS-L012004 | N/A          |
| 12991 | Lapatinib Impurity 4                  | VS-L012005 | 320337-48-2  |
| 12992 | Lapatinib Impurity 5                  | VS-L012006 | 231278-84-5  |
| 12993 | Lapatinib Impurity 6                  | VS-L012007 | 1152131-73-1 |
| 12994 | Lapatinib Impurity 7                  | VS-L012008 | 1026818-86-9 |
| 12995 | Lapatinib Impurity 8                  | VS-L012009 | 1393112-45-2 |
| 12996 | Lapatinib Impurity 9                  | VS-L012010 | 1360431-86-2 |
| 12997 | Lapatinib Impurity 10                 | VS-L012011 | N/A          |
| 12998 | Lapatinib Impurity 11                 | VS-L012012 | 633370-23-7  |
| 12999 | Lapatinib Impurity 12                 | VS-L012013 | N/A          |
| 13000 | Lapatinib Impurity 13                 | VS-L012014 | N/A          |
| 13001 | Lapatinib Nitroso Impurity 1          | VS-L012015 | N/A          |
| 13002 | Larotrectinib                         | VS-L013000 | 1223403-58-4 |
| 13003 | Larotrectinib Impurity 1              | VS-L013001 | 2823-19-0    |
| 13004 | Larotrectinib Impurity 2              | VS-L013002 | 101469-91-4  |
| 13005 | Larotrectinib Impurity 3              | VS-L013003 | 101385-90-4  |
| 13006 | Larotrectinib Impurity 4              | VS-L013004 | 2226370-52-9 |
| 13007 | Lasiocarpine                          | VS-L014000 | 303-34-4     |
| 13008 | Lasiocarpine N-Oxide                  | VS-L014001 | 127-30-0     |
| 13009 | Lasmiditan                            | VS-L015000 | 439239-90-4  |
| 13010 | Latanoprost                           | VS-L016000 | 130209-82-4  |
| 13011 | Latanoprost USP Related Compound A    | VS-L016001 | 913258-34-1  |
| 13012 | Latanoprost USP Related Compound B    | VS-L016002 | 145773-22-4  |
| 13013 | 15-Keto Latanoprost                   | VS-L016003 | 135646-98-9  |
| 13014 | trans (15S)-Latanopros                | VS-L016004 | N/A          |
| 13015 | Latanoprost Epoxide                   | VS-L016005 | N/A          |
| 13016 | 15-Keto Latanoprost Acid              | VS-L016006 | 369585-22-8  |
| 13017 | Latanoprost EP Impurity D             | VS-L016007 | 2088449-88-9 |
| 13018 | 9-Acetyl Latanoprost                  | VS-L016008 | N/A          |
| 13019 | Latanoprost Acid                      | VS-L016009 | 41639-83-2   |
| 13020 | Isopropyl Iodide                      | VS-L016010 | 75-30-9      |
| 13021 | trans-(15S)-Latanoprost               | VS-L016011 | 1235141-39-5 |
| 13022 | Latanoprost Ethyl Amide               | VS-L016012 | 607351-44-0  |
| 13023 | Latanoprost Methyl Ester              | VS-L016013 | 913258-31-8  |
| 13024 | 9-Formyl Latanoprost                  | VS-L016014 | N/A          |
| 13025 | 11-formyl-Latanoprost                 | VS-L016015 | N/A          |
| 13026 | 15-formyl-Latanoprost                 | VS-L016016 | N/A          |

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| 13027 | Latanoprost tris(triethylsilyl) ether | VS-L016017 | 477884-78-9  |
| 13028 | Latanoprost Enol Impurity             | VS-L016018 | 41639-73-0   |
| 13029 | Latanoprost Lactol                    | VS-L016019 | 352276-28-9  |
| 13030 | 2-Norlatanoprost                      | VS-L016020 | N/A          |
| 13031 | 5-trans-Latanoprost                   | VS-L016021 | 913258-34-1  |
| 13032 | 2-Nor Latanoprost                     | VS-L016022 | N/A          |
| 13033 | Tafluprost                            | VS-L016023 | 209860-87-7  |
| 13034 | Tafluprost Acid                       | VS-L016024 | 209860-88-8  |
| 13035 | Tafluprost (1S,2S,3S,5R)-Isomer       | VS-L016025 | 209860-87-7  |
| 13036 | Tafluprost (1R,2S,3R,5S)-Isomer       | VS-L016026 | N/A          |
| 13037 | Tafluprost (1S,2S,3R,5S)-Isomer)      | VS-L016027 | N/A          |
| 13038 | Tafluprost (1S,2R,3R,5S)-Isomer)      | VS-L016028 | N/A          |
| 13039 | Tafluprost Impurity 1                 | VS-L016029 | 209860-87-7  |
| 13040 | Tafluprost Impurity 2                 | VS-L016030 | 733036-95-8  |
| 13041 | Tafluprost Impurity 3                 | VS-L016031 | 733036-94-7  |
| 13042 | Tafluprost Impurity 4                 | VS-L016032 | 41639-74-1   |
| 13043 | Ledipasvir                            | VS-L017000 | 1256388-51-8 |
| 13044 | Ledipasvir Hydrochloride              | VS-L017001 | 2128695-48-5 |
| 13045 | Ledipasvir Diastereomer-1             | VS-L017002 | N/A          |
| 13046 | Ledipasvir Diastereomer-2             | VS-L017003 | 1256391-66-8 |
| 13047 | Ledipasvir D-Valine-Disteromer        | VS-L017004 | N/A          |
| 13048 | Ledipasvir Keto Impurity-1            | VS-L017005 | N/A          |
| 13049 | Ledipasvir Keto Impurity-2            | VS-L017006 | 2040487-43-0 |
| 13050 | Ledipasvir 1R-Diastereomer            | VS-L017007 | N/A          |
| 13051 | Ledipasvir 1S,3R,4R-Diastereomer      | VS-L017008 | N/A          |
| 13052 | Ledipasvir 1S,3R,4S-Diastereomer      | VS-L017009 | N/A          |
| 13053 | Ledipasvir 1R,3S,4R Diastereomer      | VS-L017010 | N/A          |
| 13054 | Ledipasvir Intermediate 1             | VS-L017011 | 291775-59-2  |
| 13055 | Ledipasvir Intermediate 2             | VS-L017012 | 1441670-89-8 |
| 13056 | Ledipasvir Impurity 2                 | VS-L017013 | N/A          |
| 13057 | Ledipasvir Impurity 3                 | VS-L017014 | 1256388-50-7 |
| 13058 | Ledipasvir Impurity 4                 | VS-L017015 | N/A          |
| 13059 | Ledipasvir Impurity 6                 | VS-L017016 | N/A          |
| 13060 | Ledipasvir Impurity 7                 | VS-L017017 | N/A          |
| 13061 | Ledipasvir Impurity 8                 | VS-L017018 | N/A          |
| 13062 | Ledipasvir Impurity 9                 | VS-L017019 | N/A          |
| 13063 | Ledipasvir Impurity 10                | VS-L017020 | N/A          |
| 13064 | Ledipasvir Impurity 11                | VS-L017021 | 1256387-87-7 |
| 13065 | Ledipasvir Impurity 12                | VS-L017022 | N/A          |
| 13066 | Ledipasvir Impurity 13                | VS-L017023 | N/A          |
| 13067 | Ledipasvir Impurity 14                | VS-L017024 | N/A          |
| 13068 | Ledipasvir Impurity 15                | VS-L017025 | 1378387-87-1 |
| 13069 | Ledipasvir Impurity 16                | VS-L017026 | N/A          |
| 13070 | Ledipasvir Impurity 17                | VS-L017027 | N/A          |
| 13071 | Ledipasvir Impurity 18                | VS-L017028 | N/A          |
| 13072 | Ledipasvir Impurity 19                | VS-L017029 | 1129634-44-1 |
| 13073 | Ledipasvir Impurity 21                | VS-L017030 | 2040487-36-1 |



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| 13074 | Leflunomide                                                              | VS-L018000 | 75706-12-6   |
| 13075 | Leflunomide EP Impurity A                                                | VS-L018001 | 455-14-1     |
| 13076 | Leflunomide EP Impurity B                                                | VS-L018002 | 163451-81-8  |
| 13077 | Leflunomide EP Impurity C                                                | VS-L018003 | 61643-23-0   |
| 13078 | Leflunomide EP Impurity D                                                | VS-L018004 | 42831-50-5   |
| 13079 | Leflunomide EP Impurity E                                                | VS-L018005 | 208401-20-1  |
| 13080 | Leflunomide EP Impurity F                                                | VS-L018006 | 1403564-06-6 |
| 13081 | Leflunomide EP Impurity G                                                | VS-L018007 | 724429-16-7  |
| 13082 | Leflunomide EP Impurity H                                                | VS-L018008 | 24522-30-3   |
| 13083 | Teriflunomide-E Isomer                                                   | VS-L018009 | 108605-62-5  |
| 13084 | Ethyl 3-methylisoxazole-4-carboxylate                                    | VS-L018010 | 20328-15-8   |
| 13085 | Leflunomide Metabolite Ethyl Analog                                      | VS-L018011 | N/A          |
| 13086 | Leflunomide Related Compound (Methyl 5-methyl-1,2-oxazole-3-carboxylate) | VS-L018012 | 19788-35-3   |
| 13087 | 3-Trifluoro Isomer                                                       | VS-L018013 | 62004-05-1   |
| 13088 | 5-Methylisoxazole-3-carboxylic-d4 Acid                                   | VS-L018014 | 1267623-84-6 |
| 13089 | Leflunomide Impurity 1                                                   | VS-L018015 | 419534-37-5  |
| 13090 | Leflunomide Impurity 2                                                   | VS-L018016 | 17153-20-7   |
| 13091 | Ethyl 5-Methylisoxazole-4-Carboxylate                                    | VS-L018017 | 51135-73-0   |
| 13092 | Lenalidomide                                                             | VS-L019000 | 191732-72-6  |
| 13093 | Lenalidomide Impurity B                                                  | VS-L019001 | 827026-45-9  |
| 13094 | Lenalidomide N-(3-Aminopropanoyl) Hydrochloride                          | VS-L019002 | 1407490-89-4 |
| 13095 | Lenalidomide N-Formyl Impurity                                           | VS-L019003 | 2197414-56-3 |
| 13096 | Lenalidomide N-Glucoside                                                 | VS-L019004 | N/A          |
| 13097 | Lenalidomide N-Hydroxy Impurity                                          | VS-L019005 | N/A          |
| 13098 | Lenalidomide N-Methyl Impurity                                           | VS-L019006 | 2197421-58-0 |
| 13099 | Lenalidomide 5-Hydroxy Impurity                                          | VS-L019007 | 1421593-78-3 |
| 13100 | N-Acetyl Lenalidomide                                                    | VS-L019008 | 1421593-80-7 |
| 13101 | Glutarimide                                                              | VS-L019009 | 1121-89-7    |
| 13102 | Glutaramic acid                                                          | VS-L019010 | 25335-74-4   |
| 13103 | Lenalidomide Open Chain Amadori Product                                  | VS-L019011 | N/A          |
| 13104 | Lenalidomide Amadori Product                                             | VS-L019012 | N/A          |
| 13105 | Lenalidomide Nitroso Impurity                                            | VS-L019013 | N/A          |
| 13106 | Lenalidomide Hydrochloride                                               | VS-L019014 | 1243329-97-6 |
| 13107 | Lenalidomide Hybromide                                                   | VS-L019015 | 1265684-15-8 |
| 13108 | Lenalidomide Sulfate                                                     | VS-L019016 | 1243330-05-3 |
| 13109 | Lenalidomide N-Oxide Impurity                                            | VS-L019017 | N/A          |
| 13110 | 5-Amino Lenalidomide                                                     | VS-L019018 | 191732-74-8  |
| 13111 | Lenalidomide Impurity 1                                                  | VS-L019019 | 2197414-57-4 |
| 13112 | Lenalidomide Impurity 2                                                  | VS-L019020 | 2197420-75-8 |
| 13113 | Lenalidomide Impurity 3                                                  | VS-L019021 | 295357-66-3  |
| 13114 | Lenalidomide Impurity 40                                                 | VS-L019022 | 1628915-10-5 |
| 13115 | Lenalidomide Impurity 5                                                  | VS-L019023 | 98475-07-1   |
| 13116 | Lenalidomide Impurity 6                                                  | VS-L019024 | 24666-56-6   |
| 13117 | Lenalidomide Impurity 7                                                  | VS-L019025 | 2197414-55-2 |
| 13118 | Lenalidomide Impurity 11                                                 | VS-L019026 | 48103-74-8   |
| 13119 | Lenalidomide Impurity 12                                                 | VS-L019027 | 295357-72-1  |

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| 13120 | Lenalidomide Impurity 13          | VS-L019028 | 874760-71-1  |
| 13121 | Lenalidomide Impurity 14          | VS-L019029 | 1198299-72-7 |
| 13122 | Lenalidomide Impurity 15          | VS-L019030 | 1218910-61-2 |
| 13123 | Lenalidomide Impurity 16          | VS-L019031 | 133446-99-8  |
| 13124 | Lenalidomide Impurity 17          | VS-L019032 | 90725-68-1   |
| 13125 | Lenalidomide Impurity 18          | VS-L019033 | 61940-21-4   |
| 13126 | Lenalidomide Impurity 19          | VS-L019034 | 827026-44-8  |
| 13127 | Lenalidomide Impurity 20          | VS-L019035 | 1198299-50-1 |
| 13128 | Lenalidomide Impurity 21          | VS-L019036 | 1240215-87-5 |
| 13129 | Lenalidomide Impurity 22          | VS-L019037 | 1198299-53-4 |
| 13130 | Lenalidomide Impurity 23          | VS-L019038 | N/A          |
| 13131 | Lenalidomide Impurity 24          | VS-L019039 | 366452-98-4  |
| 13132 | Lenalidomide Impurity 25          | VS-L019040 | N/A          |
| 13133 | Lenalidomide Impurity 26          | VS-L019041 | 1479889-22-9 |
| 13134 | Lenalidomide Impurity 27          | VS-L019042 | N/A          |
| 13135 | Lenalidomide Impurity 28          | VS-L019043 | N/A          |
| 13136 | Lenalidomide Impurity 29          | VS-L019044 | N/A          |
| 13137 | Lenalidomide Impurity 30          | VS-L019045 | 1630974-89-8 |
| 13138 | Lenalidomide Impurity 31          | VS-L019046 | 1975-50-4    |
| 13139 | Lenalidomide Impurity 32          | VS-L019047 | 25181-50-4   |
| 13140 | Lenalidomide Impurity 33          | VS-L019048 | N/A          |
| 13141 | Lenalidomide Impurity 34          | VS-L019049 | 52090-24-1   |
| 13142 | Lenalidomide Impurity E           | VS-L019050 | 18583-89-6   |
| 13143 | Lenalidomide Impurity 38          | VS-L019051 | 59382-59-1   |
| 13144 | Lenalidomide Impurity 39          | VS-L019052 | N/A          |
| 13145 | Lenvatinib                        | VS-L020000 | 417716-92-8  |
| 13146 | Lenvatinib Mesylate               | VS-L020001 | 857890-39-2  |
| 13147 | Lenvatinib N-Oxide                | VS-L020002 | 1788901-86-9 |
| 13148 | Lenvatinib Impurity O             | VS-L020003 | 2143930-76-9 |
| 13149 | Descyclopropyl Lenvatinib         | VS-L020004 | 417719-51-8  |
| 13150 | Lenvatinib Methoxy Impurity       | VS-L020005 | 417724-81-3  |
| 13151 | Cyclopropylamine                  | VS-L020006 | 765-30-0     |
| 13152 | 2-Chloronitrobenzene              | VS-L020007 | 88-73-3      |
| 13153 | Cyclopropane carboxamide          | VS-L020008 | 6228-73-5    |
| 13154 | Lenvatinib Hydroxy Amide Impurity | VS-L020009 | 2110414-05-4 |
| 13155 | Cyclopropyl Urea Impurity         | VS-L020010 | 796848-79-8  |
| 13156 | Lenvatinib 4-Chloro Impurity      | VS-L020011 | 771464-30-3  |
| 13157 | Lenvatinib N-Ethyl Impurity       | VS-L020012 | N/A          |
| 13158 | N-methyl Lenvatinib               | VS-L020013 | 417719-45-0  |
| 13159 | Lenvatinib Impurity 1             | VS-L020014 | 417717-21-6  |
| 13160 | Lenvatinib Impurity 2             | VS-L020015 | N/A          |
| 13161 | Lenvatinib Impurity 3             | VS-L020016 | 2250242-56-7 |
| 13162 | Lenvatinib Impurity 4             | VS-L020017 | 2380197-90-8 |
| 13163 | Lenvatinib Impurity 5             | VS-L020018 | 2613141-84-5 |
| 13164 | Lenvatinib Impurity 6             | VS-L020019 | 205448-66-4  |
| 13165 | Lenvatinib Impurity 7             | VS-L020020 | 17609-80-2   |
| 13166 | Lenvatinib Impurity 8             | VS-L020021 | 417721-36-9  |

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| 13167 | Lenvatinib Impurity 9                    | VS-L020022 | 417717-20-5  |
| 13168 | Lenvatinib Impurity 10                   | VS-L020023 | N/A          |
| 13169 | Lenvatinib Impurity 11                   | VS-L020024 | N/A          |
| 13170 | Lenvatinib Impurity 12                   | VS-L020025 | N/A          |
| 13171 | Lenvatinib Impurity 13                   | VS-L020026 | 417722-93-1  |
| 13172 | Lenvatinib Impurity 14                   | VS-L020027 | 417722-95-3  |
| 13173 | Lenvatinib Impurity 15                   | VS-L020028 | 2023826-16-4 |
| 13174 | Lenvatinib Impurity 16                   | VS-L020029 | 1882873-21-3 |
| 13175 | Lenvatinib Impurity 17                   | VS-L020030 | 417721-34-7  |
| 13176 | Lenvatinib Impurity 18                   | VS-L020031 | 2143930-75-8 |
| 13177 | Lenvatinib Impurity 19                   | VS-L020032 | N/A          |
| 13178 | Lenvatinib Impurity 20                   | VS-L020033 | N/A          |
| 13179 | Lenvatinib Impurity 21                   | VS-L020034 | 2023826-82-4 |
| 13180 | Lenvatinib Carbamoyl derivative          | VS-L020035 | NA           |
| 13181 | Lenvatinib Impurity 22                   | VS-L020036 | NA           |
| 13182 | O-Desmethyl Lenvatinib                   | VS-L020037 | 417717-04-5  |
| 13183 | Lenvatinib Impurity 23                   | VS-L020038 | NA           |
| 13184 | Lercanidipine HCl                        | VS-L021001 | 132866-11-6  |
| 13185 | Lercanidipine Acid                       | VS-L021002 | 855592-30-2  |
| 13186 | Lercanidipine Impurity A                 | VS-L021003 | 74936-74-6   |
| 13187 | Lercanidipine EP Impurity A              | VS-L021004 | 74936-72-4   |
| 13188 | Lercanidipine Impurity B                 | VS-L021005 | 1119226-97-9 |
| 13189 | Lercanidipine EP Impurity B              | VS-L021006 | 39562-70-4   |
| 13190 | Lercanidipine Impurity C                 | VS-L021007 | 1797124-83-4 |
| 13191 | Lercanidipine HCl Impurity C             | VS-L021008 | N/A          |
| 13192 | Lercanidipine EP Impurity C              | VS-L021009 | N/A          |
| 13193 | Lercanidipine EP Impurity D (HCl)        | VS-L021010 | 210579-71-8  |
| 13194 | Lercanidipine EP Impurity E              | VS-L021011 | 100442-33-9  |
| 13195 | (R)-Lercanidipine HCl                    | VS-L021012 | 187731-34-6  |
| 13196 | (S)-Lercanidipine HCl                    | VS-L021013 | 184866-29-3  |
| 13197 | Lercanidipine Dipropyl Ester Impurity    | VS-L021014 | 77888-05-2   |
| 13198 | Lercanidipine Dimethyl Ester Impurity    | VS-L021015 | 21881-77-6   |
| 13199 | Chloro Intermediate of Lercanidipine HCl | VS-L021016 | N/A          |
| 13200 | Ethyl 3-Nitrobenzylideneacetoacetate     | VS-L021017 | 39562-16-8   |
| 13201 | Lercanidipine Hydrochloride Hemihydrate  | VS-L021018 | 932391-49-6  |
| 13202 | Lercanidipine Dimer Impurity             | VS-L021019 | N/A          |
| 13203 | Lercanidipine Impurity 5                 | VS-L021020 | 28075-29-8   |
| 13204 | Lercanidipine Impurity 6                 | VS-L021021 | 2407630-84-4 |
| 13205 | Lercanidipine Impurity 7                 | VS-L021022 | 225785-54-6  |
| 13206 | Lercanidipine Impurity 8                 | VS-L021023 | 320750-11-6  |
| 13207 | Lercanidipine Impurity 9                 | VS-L021024 | N/A          |
| 13208 | Lercanidipine Impurity 10                | VS-L021025 | 210579-68-3  |
| 13209 | Lercanidipine Impurity 11                | VS-L021026 | 09-07-39     |
| 13210 | Lercanidipine Impurity 12                | VS-L021027 | N/A          |
| 13211 | Lercanidipine Impurity 13                | VS-L021028 | N/A          |
| 13212 | Lercanidipine Impurity 14                | VS-L021029 | N/A          |
| 13213 | Dehydro Lercanidipine                    | VS-L021030 | 887769-34-8  |

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|-------|-----------------------------------------------|------------|--------------|
| 13214 | Lercanidipine Dimer Impurity                  | VS-L021031 | NA           |
| 13215 | N-Nitroso Lercanidipine                       | VS-L021032 | NA           |
| 13216 | Lercanidipine Dimethyl Ester Nitroso Impurity | VS-L021033 | NA           |
| 13217 | N-Nitroso Lercanidipine EP Impurity A         | VS-L021034 | NA           |
| 13218 | Lercanidipine Nitroso Impurity 1              | VS-L021035 | NA           |
| 13219 | Lercanidipine Impurity 15                     | VS-L021036 | 74936-81-5   |
| 13220 | Lercanidipine Impurity 16                     | VS-L021037 | 75130-24-4   |
| 13221 | Lercanidipine EP Impurity D                   | VS-L021038 | 786625-22-7  |
| 13222 | Lercanidipine                                 | VS-L021039 | 100427-26-7  |
| 13223 | Letermovir                                    | VS-L022000 | 917389-32-3  |
| 13224 | Letrozole                                     | VS-L023000 | 112809-51-5  |
| 13225 | Letrozole EP Impurity A                       | VS-L023001 | 112809-52-6  |
| 13226 | Letrozole EP Impurity B                       | VS-L023002 | 113402-31-6  |
| 13227 | Letrozole Impurity C                          | VS-L023003 | 112809-25-3  |
| 13228 | Carbinol Metabolite of Letrozole              | VS-L023004 | 134521-16-7  |
| 13229 | Letrozole Diacid                              | VS-L023005 | 1644566-39-1 |
| 13230 | Letrozole Diamide                             | VS-L023006 | 2170106-13-3 |
| 13231 | Letrozole N-Oxide                             | VS-L023007 | N/A          |
| 13232 | Letrozole Monoacid Impurity                   | VS-L023008 | N/A          |
| 13233 | 4-Fluorobenzonitrile                          | VS-L023009 | 1194-02-1    |
| 13234 | Letrozole Impurity 1                          | VS-L023010 | 143030-54-0  |
| 13235 | Letrozole Impurity 2 (N-Oxide)                | VS-L023011 | N/A          |
| 13236 | Letrozole Impurity 3                          | VS-L023012 | 112809-27-5  |
| 13237 | Letrozole Impurity 4                          | VS-L023013 | N/A          |
| 13238 | Letrozole Impurity 5                          | VS-L023014 | 124213-98-5  |
| 13239 | Letrozole Impurity 6                          | VS-L023015 | 748812-17-1  |
| 13240 | Letrozole Impurity 7                          | VS-L023016 | N/A          |
| 13241 | Letrozole Impurity 8                          | VS-L023017 | 874-86-2     |
| 13242 | Leuprolide                                    | VS-L024000 | 53714-56-0   |
| 13243 | Leuprolide Acetate EP Impurity D              | VS-L024001 | 1926163-25-8 |
| 13244 | Leuprolide Acetate EP Impurity E              | VS-L024002 | 1926163-23-6 |
| 13245 | Leuprolide Acetate EP Impurity F              | VS-L024003 | 1872435-00-1 |
| 13246 | Leuprolide Acetate EP Impurity G              | VS-L024004 | N/A          |
| 13247 | Leuprolide Acetate EP Impurity H              | VS-L024005 | 112710-58-4  |
| 13248 | Leuprolide Acetate Impurity A                 | VS-L024006 | 62621-13-0   |
| 13249 | Leuprolide Acetate Impurity I                 | VS-L024007 | N/A          |
| 13250 | Leuprolide Acetate Impurity J                 | VS-L024008 | N/A          |
| 13251 | Leuprolide Acetate Impurity K                 | VS-L024009 | N/A          |
| 13252 | D-Trp3 Leuprolide                             | VS-L024010 | N/A          |
| 13253 | D-Ser-Leuprolide                              | VS-L024011 | N/A          |
| 13254 | L-Leu6-Leuprolide                             | VS-L024012 | N/A          |
| 13255 | Leuprolide Acetate                            | VS-L024013 | 74381-53-6   |
| 13256 | 5-9-Leuprolide                                | VS-L024014 | 129244-90-2  |
| 13257 | (D-His2)-Leuprolide                           | VS-L024015 | N/A          |
| 13258 | Des-1,2,3-Leuprolide Impurity                 | VS-L024016 | N/A          |
| 13259 | Des-Pyr-Leuprolide                            | VS-L024017 | N/A          |
| 13260 | D-Trp-Leuprolide                              | VS-L024018 | N/A          |

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| 13261 | Leuprolide Impurity 1                 | VS-L024019 | N/A          |
| 13262 | Levalbuterol                          | VS-L025000 | 34391-04-3   |
| 13263 | Levalbuterol USP Related Compound A   | VS-L025001 | 1823256-56-9 |
| 13264 | Levalbuterol Related Compound A       | VS-L025002 | 174607-68-2  |
| 13265 | Levalbuterol Impurity A               | VS-L025003 | 870076-72-5  |
| 13266 | Levalbuterol Impurity B               | VS-L025004 | 96948-64-0   |
| 13267 | Levalbuterol Impurity C               | VS-L025005 | 18910-68-4   |
| 13268 | Levalbuterol Impurity D               | VS-L025006 | 156339-88-7  |
| 13269 | Levalbuterol Impurity E               | VS-L025007 | 24085-03-8   |
| 13270 | Levalbuterol Impurity F               | VS-L025008 | 147663-30-7  |
| 13271 | Levalbuterol Impurity G               | VS-L025009 | 64092-10-0   |
| 13272 | Levalbuterol Impurity H               | VS-L025010 | 132183-64-3  |
| 13273 | Levalbuterol Impurity I               | VS-L025011 | 56796-66-8   |
| 13274 | Levalbuterol Impurity J               | VS-L025012 | 156547-62-5  |
| 13275 | Levosambutamol Sulphate               | VS-L025013 | 148563-16-0  |
| 13276 | Levamisole Hydrochloride              | VS-L026001 | 16595-80-5   |
| 13277 | Levamisole EP Impurity A              | VS-L026002 | 32190-34-4   |
| 13278 | Levamisole EP Impurity B              | VS-L026003 | 37430-07-2   |
| 13279 | Levamisole EP Impurity C              | VS-L026004 | 32190-33-3   |
| 13280 | Levamisole EP Impurity D              | VS-L026005 | 4335-28-8    |
| 13281 | Levamisole EP Impurity E              | VS-L026006 | 32190-36-6   |
| 13282 | Levetiracetam                         | VS-L027000 | 102767-28-2  |
| 13283 | Levetiracetam USP RC A                | VS-L027001 | 102767-31-7  |
| 13284 | Levetiracetam EP Impurity A           | VS-L027002 | 67118-31-4   |
| 13285 | Levetiracetam EP Impurity B           | VS-L027003 | 358629-47-7  |
| 13286 | Levetiracetam EP Impurity C           | VS-L027004 | 142-08-5     |
| 13287 | Levetiracetam EP Impurity D           | VS-L027005 | 103765-01-1  |
| 13288 | Levetiracetam EP Impurity G           | VS-L027006 | 7682-20-4    |
| 13289 | Levetiracetam S-Carboxylic Acid       | VS-L027007 | 102849-49-0  |
| 13290 | Levetiracetam R-Carboxylic Acid       | VS-L027008 | 103833-72-3  |
| 13291 | Levetiracetam Dehydro Acid            | VS-L027009 | 358629-39-7  |
| 13292 | L-2-Aminobutyric acid                 | VS-L027010 | 1492-24-6    |
| 13293 | Levetiracetam Racemate                | VS-L027011 | 33996-58-6   |
| 13294 | L-Threonine Amide Hydrochloride       | VS-L027012 | 33209-01-7   |
| 13295 | 4-Chloro-3-oxobutanoic acid           | VS-L027013 | 27807-84-7   |
| 13296 | Levetiracetam Symmetric anhydride     | VS-L027014 | N/A          |
| 13297 | levetiracetam Ethyl Ester             | VS-L027015 | 86815-10-3   |
| 13298 | Levetiracetam EP Impurity E           | VS-L027016 | 3886-69-9    |
| 13299 | Levetiracetam Impurity 2              | VS-L027017 | 4635-59-0    |
| 13300 | Levetiracetam Impurity 3              | VS-L027018 | 616-45-5     |
| 13301 | Levetiracetam Impurity 4              | VS-L027019 | N/A          |
| 13302 | Levetiracetam Impurity 5              | VS-L027020 | 1113-58-2    |
| 13303 | Levetiracetam - Impurity G (Freebase) | VS-L027021 | 7324-11-0    |
| 13304 | Levetiracetam - Impurity E (HCl Salt) | VS-L027022 | 13437-79-1   |
| 13305 | Ethyl Carbamate                       | VS-L027023 | 51-79-6      |
| 13306 | Levetiracetam Impurity 1              | VS-L027024 | 774604-48-7  |
| 13307 | Levobunolol                           | VS-L028000 | 47141-42-4   |

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| 13308 | Levocabastine Hydrochloride                  | VS-L029000 | 79547-78-7   |
| 13309 | Levocabastine Hydrochloride EP Impurity A    | VS-L029001 | N/A          |
| 13310 | Levocabastine Hydrochloride EP Impurity B    | VS-L029002 | N/A          |
| 13311 | Levocabastine Hydrochloride EP Impurity C    | VS-L029003 | N/A          |
| 13312 | Levocabastine Hydrochloride EP Impurity D    | VS-L029004 | N/A          |
| 13313 | Levocabastine Hydrochloride EP Impurity E    | VS-L029005 | N/A          |
| 13314 | Levocabastine Hydrochloride EP Impurity F    | VS-L029006 | 785021-81-0  |
| 13315 | Levocabastine Hydrochloride EP Impurity G    | VS-L029007 | N/A          |
| 13316 | Levocabastine Hydrochloride EP Impurity H    | VS-L029008 | 56326-98-8   |
| 13317 | Levocabastine Hydrochloride EP Impurity I    | VS-L029009 | N/A          |
| 13318 | Levocabastine Hydrochloride EP Impurity J    | VS-L029010 | N/A          |
| 13319 | Levocabastine Hydrochloride EP Impurity K    | VS-L029011 | N/A          |
| 13320 | Levocabastine Hydrochloride EP Impurity L    | VS-L029012 | N/A          |
| 13321 | Ethoxy Levocabastine                         | VS-L029013 | N/A          |
| 13322 | Ethyl Ester of Levocabastine                 | VS-L029014 | N/A          |
| 13323 | Levocarnitine                                | VS-L030000 | 541-15-1     |
| 13324 | Levocarnitine EP Impurity A                  | VS-L030001 | 927-89-9     |
| 13325 | Levocarnitine EP Impurity B                  | VS-L030002 | 306279-95-8  |
| 13326 | Levocarnitine EP Impurity C                  | VS-L030003 | 64532-04-3   |
| 13327 | Levocarnitine EP Impurity D                  | VS-L030004 | 857162-57-3  |
| 13328 | Acetyl-L-Carnitine Hydrochloride             | VS-L030005 | 5080-50-2    |
| 13329 | Levocarnitine Impurity 1                     | VS-L030006 | 34004-36-9   |
| 13330 | Levocarnitine EP Impurity C (Chloride)       | VS-L030007 | 6490-20-6    |
| 13331 | Levocetirizine                               | VS-L031000 | 130018-77-8  |
| 13332 | Levocetirizine Dihydrochloride               | VS-L031001 | 130018-87-0  |
| 13333 | Levocetirizine EP Impurity A                 | VS-L031002 | 303-26-4     |
| 13334 | Levocetirizine EP Impurity B                 | VS-L031003 | 113740-61-7  |
| 13335 | Levocetirizine EP Impurity C                 | VS-L031004 | 83881-59-8   |
| 13336 | Levocetirizine EP Impurity C Dihydrochloride | VS-L031005 | 2702511-37-1 |
| 13337 | Levocetirizine EP Impurity D                 | VS-L031006 | 346451-15-8  |
| 13338 | Levocetirizine EP Impurity E                 | VS-L031007 | 682323-77-9  |
| 13339 | Levocetirizine EP Impurity F                 | VS-L031008 | 83881-53-2   |
| 13340 | Levocetirizine EP Impurity G                 | VS-L031009 | 109806-71-5  |
| 13341 | Levocetirizine Impurity I                    | VS-L031010 | 83881-46-3   |
| 13342 | Levocetirizine Lactose ester                 | VS-L031011 | N/A          |
| 13343 | Levocetirizine N-Oxide                       | VS-L031012 | 442863-80-1  |
| 13344 | [N,N-Bis(2-chloroethyl)benzenesulfonamide    | VS-L031013 | 58023-19-1   |
| 13345 | Levocetirizine Amide impurity                | VS-L031014 | 909779-33-5  |
| 13346 | Chlorobenzhydryl Piperazine                  | VS-L031015 | 300543-56-0  |
| 13347 | Levocetirizine PEG 400 Ester                 | VS-L031016 | N/A          |
| 13348 | Levocetirizine Benzyl Compound               | VS-L031017 | 873406-11-2  |
| 13349 | N-benzyl-4-chloroaniline                     | VS-L031018 | 2948-37-0    |
| 13350 | Levocetirizine Impurity 1                    | VS-L031019 | 942193-17-1  |
| 13351 | Levocetirizine Impurity 2                    | VS-L031020 | 1150310-68-1 |
| 13352 | Levocetirizine Impurity 3                    | VS-L031021 | N/A          |
| 13353 | Levocetirizine Ethyl Ester                   | VS-L031022 | 1116338-10-3 |
| 13354 | LEVOCETIRIZINE EP IMPURITY B (HCl)           | VS-L031023 | 942132-30-1  |

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| 13355 | Levocetirizine D4                           | VS-L031024 | 1133210-23-7 |
| 13356 | Levocetirizine D4 Di HCl                    | VS-L031025 | N/A          |
| 13357 | Levocetirizine Dihydrochloride - Impurity E | VS-L031026 | N/A          |
| 13358 | L-Carnitinenitrile Chloride                 | VS-L031027 | 2788-28-5    |
| 13359 | Levodopa                                    | VS-L032000 | 59-92-7      |
| 13360 | Levodopa sulfate                            | VS-L032001 | 217657-34-6  |
| 13361 | Levodopa EP Impurity A                      | VS-L032002 | 27244-64-0   |
| 13362 | Levodopa EP Impurity B                      | VS-L032003 | 60-18-4      |
| 13363 | Levodopa EP Impurity C                      | VS-L032004 | 7636-26-2    |
| 13364 | Levodopa EP Impurity D                      | VS-L032005 | 5796-17-8    |
| 13365 | 3-(3,4-Dimethoxyphenyl)-L-Alanine           | VS-L032006 | 32161-30-1   |
| 13366 | Pyruvic acid                                | VS-L032007 | 127-17-3     |
| 13367 | 1,2-Dihydroxybenzene                        | VS-L032008 | 120-80-9     |
| 13368 | 3-Acetyl-L-tyrosine Hydrochloride           | VS-L032009 | 32404-28-7   |
| 13369 | 3-Methoxy-L-tyrosine Monohydrate            | VS-L032010 | 200630-46-2  |
| 13370 | Levodopa Impurity 1                         | VS-L032011 | 18674-59-4   |
| 13371 | Levodopa Impurity 2                         | VS-L032012 | 76757-91-0   |
| 13372 | Levodropropizine                            | VS-L033000 | 99291-25-5   |
| 13373 | Levodropropizine EP Impurity A              | VS-L033001 | 99291-24-4   |
| 13374 | Levodropropizine EP Impurity B              | VS-L033002 | 92-54-6      |
| 13375 | Levodropropizine EP Impurity C              | VS-L033003 | 556-52-5     |
| 13376 | (S)-(-)-Dropropizine N,N-Dioxide            | VS-L033004 | 2098198-51-5 |
| 13377 | 1-Nitroso-4-phenylpiperazine                | VS-L033005 | 14340-33-1   |
| 13378 | Levofloxacin                                | VS-L034000 | 100986-85-4  |
| 13379 | Levofloxacin Hemihydrate                    | VS-L034001 | 138199-71-0  |
| 13380 | Levofloxacin Diamine Impurity               | VS-L034002 | 1797099-76-3 |
| 13381 | Levofloxacin EP Impurity A                  | VS-L034003 | 100986-86-5  |
| 13382 | Levofloxacin EP Impurity B                  | VS-L034004 | 117707-40-1  |
| 13383 | Levofloxacin EP Impurity C                  | VS-L034005 | 117678-38-3  |
| 13384 | Levofloxacin EP Impurity E                  | VS-L034006 | 178964-53-9  |
| 13385 | Levofloxacin EP Impurity F                  | VS-L034007 | 100986-89-8  |
| 13386 | Levofloxacin EP Impurity G                  | VS-L034008 | 1346603-62-0 |
| 13387 | Levofloxacin EP Impurity H                  | VS-L034009 | 177472-30-9  |
| 13388 | Levofloxacin EP Impurity I                  | VS-L034010 | 178912-62-4  |
| 13389 | Levofloxacin EP Impurity D                  | VS-L034011 | 117620-85-6  |
| 13390 | Levofloxacin Impurity 1                     | VS-L034012 | 117620-84-5  |
| 13391 | Levofloxacin Impurity 2                     | VS-L034013 | N/A          |
| 13392 | Levofloxacin Impurity 3                     | VS-L034014 | 106939-30-4  |
| 13393 | Levofloxacin Impurity 4                     | VS-L034015 | 2489671-28-3 |
| 13394 | Levofloxacin Impurity 5                     | VS-L034016 | N/A          |
| 13395 | Levofloxacin Impurity 6                     | VS-L034017 | N/A          |
| 13396 | Levofloxacin Related compound 7             | VS-L034018 | 1348712-95-7 |
| 13397 | Levofloxacin Impurity 7                     | VS-L034019 | 1430222-73-3 |
| 13398 | Levofloxacin Impurity 8                     | VS-L034020 | 151250-74-7  |
| 13399 | Levofloxacin N-Oxide                        | VS-L034021 | 117678-37-2  |
| 13400 | Levofloxacin Impurity G                     | VS-L034022 | 151250-76-9  |
| 13401 | Levofloxacin Impurity 10                    | VS-L034023 | 106939-34-8  |

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| 13402 | N-Nitroso-Levofloxacin impurity-1      | VS-L034024 | 1152314-62-9 |
| 13403 | Levofloxacin Impurity 11               | VS-L034025 | 106939-42-8  |
| 13404 | N-Nitroso-Levofloxacin impurity-2      | VS-L034026 | N/A          |
| 13405 | Calcium Levofolate Hydrate             | VS-L035001 | N/A          |
| 13406 | Levofolate EP Impurity A               | VS-L035002 | 4271-30-1    |
| 13407 | Levofolate EP Impurity B               | VS-L035003 | N/A          |
| 13408 | Levofolate EP Impurity C               | VS-L035004 | 59-30-3      |
| 13409 | Levofolate EP Impurity D               | VS-L035005 | 134-05-4     |
| 13410 | Levofolate EP Impurity E               | VS-L035006 | 944737-05-7  |
| 13411 | Levofolate EP Impurity F               | VS-L035007 | 28459-40-7   |
| 13412 | Levofolate EP Impurity G               | VS-L035008 | 4033-27-6    |
| 13413 | Levofolate EP Impurity H               | VS-L035009 | 73951-54-9   |
| 13414 | Levofolate EP Impurity I               | VS-L035010 | 31690-11-6   |
| 13415 | Levomefolate                           | VS-L036000 | 31690-09-2   |
| 13416 | L-glutamic Acid                        | VS-L036001 | 79573-48-1   |
| 13417 | Levomefolate Impurity 1                | VS-L036002 | 31690-08-1   |
| 13418 | Levomefolate Impurity 2                | VS-L036003 | N/A          |
| 13419 | Levomefolate Impurity 3                | VS-L036004 | N/A          |
| 13420 | Levomefolate Impurity 4                | VS-L036005 | N/A          |
| 13421 | Levomefolate Impurity 5                | VS-L036006 | N/A          |
| 13422 | Levomefolate Impurity 6                | VS-L036007 | N/A          |
| 13423 | Levomefolate Calcium                   | VS-L036008 | 151533-22-1  |
| 13424 | Levomepromazine Hydrochloride          | VS-L037001 | 1236-99-3    |
| 13425 | Levomepromazine Maleate                | VS-L037002 | 7104-38-3    |
| 13426 | Levomepromazine EP Impurity A          | VS-L037003 | 1771-18-2    |
| 13427 | Levomepromazine EP Impurity B          | VS-L037004 | 7606-29-3    |
| 13428 | N-Desmethyl Levomepromazine            | VS-L037005 | 37819-98-0   |
| 13429 | Norlevo Mepromazine Hydrochloride      | VS-L037006 | 61733-92-4   |
| 13430 | O-Desmethyl levomepromazine            | VS-L037007 | 220698-75-9  |
| 13431 | 3-Methoxy phenothiazine                | VS-L037008 | 1771-19-3    |
| 13432 | 3-Hydroxy Levomepromazine              | VS-L037009 | N/A          |
| 13433 | 7-Hydroxy Levomepromazine              | VS-L037010 | N/A          |
| 13434 | N-Desmethyl Levomepromazine sulfoxide  | VS-L037011 | 16808-77-8   |
| 13435 | Ring-hydroxy Levomepromazine           | VS-L037012 | N/A          |
| 13436 | Levomepromazine Sulphone Hydrochloride | VS-L037013 | 60119-90-6   |
| 13437 | Levomepromazine Dimer                  | VS-L037014 | N/A          |
| 13438 | Levomepromazine Impurity 1             | VS-L037015 | N/A          |
| 13439 | Levomepromazine Impurity 2             | VS-L037016 | 3684-79-5    |
| 13440 | Levonorgestrel                         | VS-L038000 | 797-63-7     |
| 13441 | Levonorgestrel EP Impurity A           | VS-L038001 | 1260525-53-8 |
| 13442 | Levonorgestrel EP Impurity B           | VS-L038002 | 19914-67-1   |
| 13443 | Levonorgestrel EP Impurity C           | VS-L038003 | 1337972-89-0 |
| 13444 | Levonorgestrel EP Impurity D           | VS-L038004 | 32419-58-2   |
| 13445 | Levonorgestrel EP Impurity G           | VS-L038005 | 87585-03-3   |
| 13446 | Levonorgestrel EP Impurity H           | VS-L038006 | 55555-97-0   |
| 13447 | Levonorgestrel EP Impurity I           | VS-L038007 | 20402-62-4   |
| 13448 | Levonorgestrel EP Impurity J           | VS-L038008 | 1175109-63-3 |



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| 13449 | Levonorgestrel EP Impurity K                | VS-L038009 | 793-55-5     |
| 13450 | Levonorgestrel EP Impurity L                | VS-L038010 | 21800-83-9   |
| 13451 | Levonorgestrel EP Impurity M                | VS-L038011 | 51087-61-7   |
| 13452 | Levonorgestrel EP Impurity N                | VS-L038012 | 4222-96-2    |
| 13453 | Levonorgestrel EP Impurity O                | VS-L038013 | 155683-60-6  |
| 13454 | Levonorgestrel EP Impurity P                | VS-L038014 | 100021-05-4  |
| 13455 | Levonorgestrel EP Impurity Q                | VS-L038015 | 1038-28-4    |
| 13456 | Levonorgestrel EP Impurity R                | VS-L038016 | 2322-77-2    |
| 13457 | Levonorgestrel EP Impurity S                | VS-L038017 | 176254-10-7  |
| 13458 | Levonorgestrel EP Impurity T                | VS-L038018 | 799-43-9     |
| 13459 | Levonorgestrel EP Impurity U                | VS-L038019 | 68-22-4      |
| 13460 | Levonorgestrel EP Impurity V                | VS-L038020 | 14009-70-2   |
| 13461 | Levonorgestrel EP Impurity W                | VS-L038021 | 155683-59-3  |
| 13462 | Tetranaphthol Methyl Ester                  | VS-L038022 | 1730-48-9    |
| 13463 | Tetralone                                   | VS-L038023 | 1078-19-9    |
| 13464 | Levonorgestrel Condensation Impurity        | VS-L038024 | 850-92-0     |
| 13465 | Levonorgestrel Hydroxylation Impurity       | VS-L038025 | 2222279-03-8 |
| 13466 | Levonorgestrel Cyclization Impurity         | VS-L038026 | N/A          |
| 13467 | Levonorgestrel Hydrogenation Impurity       | VS-L038027 | N/A          |
| 13468 | Levonorgestrel Lithium Ammonia Impurity     | VS-L038028 | N/A          |
| 13469 | Levonorgestrel Oppenauer oxidation Impurity | VS-L038029 | N/A          |
| 13470 | 10-Beta hydroxy Levonorgestrel              | VS-L038030 | 21508-50-9   |
| 13471 | Levosimendan                                | VS-L039000 | 141505-33-1  |
| 13472 | Levosimendan Dimer                          | VS-L039001 | 618458-79-0  |
| 13473 | Levosimendan Impurity 3                     | VS-L039002 | 131741-08-7  |
| 13474 | Levosimendan Impurity 4                     | VS-L039003 | 144238-75-5  |
| 13475 | Levosimendan Impurity 5                     | VS-L039004 | 101328-85-2  |
| 13476 | Levosimendan Impurity 6                     | VS-L039005 | N/A          |
| 13477 | Levosimendan Impurity 7                     | VS-L039006 | 36725-28-7   |
| 13478 | Levosimendan Impurity 8                     | VS-L039007 | N/A          |
| 13479 | Levosimendan Impurity 9                     | VS-L039008 | 274263-65-9  |
| 13480 | Levosimendan Impurity 10                    | VS-L039009 | 252638-01-0  |
| 13481 | Levosimendan Impurity 11                    | VS-L039010 | N/A          |
| 13482 | Levosimendan Impurity 15                    | VS-L039011 | N/A          |
| 13483 | Levosimendan Impurity 16                    | VS-L039012 | N/A          |
| 13484 | Levosimendan Impurity 12                    | VS-L039013 | N/A          |
| 13485 | Levosimendan Impurity 13                    | VS-L039014 | N/A          |
| 13486 | Levosimendan Impurity 14                    | VS-L039015 | N/A          |
| 13487 | Levosulpiride                               | VS-L040000 | 23672-07-3   |
| 13488 | Levosulpiride EP Impurity A                 | VS-L040001 | 22795-99-9   |
| 13489 | Levosulpiride EP Impurity B                 | VS-L040002 | 33045-52-2   |
| 13490 | Levosulpiride EP Impurity C                 | VS-L040003 | 1275366-63-6 |
| 13491 | Levosulpiride EP Impurity D                 | VS-L040004 | 22117-85-7   |
| 13492 | Levosulpiride EP Impurity E                 | VS-L040005 | 52395-25-2   |
| 13493 | Levosulpiride EP Impurity F                 | VS-L040006 | 2201038-36-8 |
| 13494 | Levothyroxine                               | VS-L041000 | 51-48-9      |
| 13495 | Levothyroxine Sodium Hydrate                | VS-L041001 | 25416-65-3   |

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| 13496 | Levothyroxine EP Impurity A                    | VS-L041002 | 55-06-1      |
| 13497 | Levothyroxine EP Impurity B                    | VS-L041003 | 1628720-66-0 |
| 13498 | Levothyroxine EP Impurity C                    | VS-L041004 | 51-24-1      |
| 13499 | Levothyroxine EP Impurity D                    | VS-L041005 | 67-30-1      |
| 13500 | Levothyroxine EP Impurity E                    | VS-L041006 | 1041-01-6    |
| 13501 | Levothyroxine EP Impurity F                    | VS-L041007 | 911661-90-0  |
| 13502 | Levothyroxine EP Impurity H                    | VS-L041008 | 2055-97-2    |
| 13503 | Levothyroxine EP Impurity I                    | VS-L041009 | 2016-06-0    |
| 13504 | Levothyroxine EP Impurity J                    | VS-L041010 | 4604-41-5    |
| 13505 | Levothyroxine EP Impurity k                    | VS-L041011 | 5817-39-0    |
| 13506 | Levothyroxine USP Sodium                       | VS-L041012 | N/A          |
| 13507 | Levothyroxine USP A                            | VS-L041013 | N/A          |
| 13508 | Levothyroxine T4-Hydroxyacetic Acid            | VS-L041014 | 93647-48-4   |
| 13509 | Levothyroxine USP C                            | VS-L041015 | 671235-41-9  |
| 13510 | Levothyroxine USP D                            | VS-L041016 | N/A          |
| 13511 | Levothyroxine N-Acetyl Impurity                | VS-L041017 | 26041-51-0   |
| 13512 | Levothyroxine Hydroxyphenoxy Aldehyde Impurity | VS-L041018 | 2828-49-1    |
| 13513 | Levothyroxine Methoxyphenoxy Aldehyde Impurity | VS-L041019 | 69240-57-9   |
| 13514 | Levothyroxine Ethyl Ester                      | VS-L041020 | 76353-71-4   |
| 13515 | Levothyroxine Methyl Ester                     | VS-L041021 | 32180-11-3   |
| 13516 | Levothyroxine Monochloro Impurity              | VS-L041022 | 909279-46-5  |
| 13517 | Levothyroxine N-Methylamide (USP)              | VS-L041023 | 2088032-52-2 |
| 13518 | Levothyroxine D-Isomer                         | VS-L041024 | 51-49-0      |
| 13519 | Levothyroxine O-Methyl Amine Impurity          | VS-L041025 | 2230724-39-5 |
| 13520 | 3,5,3',5'-Tetraiodo thyrolactic acid           | VS-L041026 | 7069-47-8    |
| 13521 | L-Tyrosine,3,5-diiodo-o-(4-Methoxyphenyl)      | VS-L041027 | 94345-95-6   |
| 13522 | Levothyroxine Glucose Adduct                   | VS-L041028 | N/A          |
| 13523 | T4-Formic acid N-methylamide                   | VS-L041029 | 2088032-78-2 |
| 13524 | N-Acetyl L-thyroxine ethyl ester               | VS-L041030 | 30804-52-5   |
| 13525 | 3-Bromo-L-thyroxine                            | VS-L041031 | 1798894-90-2 |
| 13526 | Liothyronine Maillard Lactose Impurity         | VS-L041032 | N/A          |
| 13527 | Levothyroxine Mannitol Adduct                  | VS-L041033 | N/A          |
| 13528 | $\beta$ -Hydroxy Thyroxine                     | VS-L041034 | 107849-54-7  |
| 13529 | Levothyroxine Lactose Adduct                   | VS-L041035 | N/A          |
| 13530 | Levothyroxine Impurity 1                       | VS-L041036 | 2055-94-9    |
| 13531 | Levothyroxine Impurity 2                       | VS-L041037 | 176258-89-2  |
| 13532 | Levothyroxine Impurity 3                       | VS-L041038 | 854646-83-6  |
| 13533 | Levothyroxine Impurity 4                       | VS-L041039 | N/A          |
| 13534 | Levothyroxine Impurity 5                       | VS-L041040 | 51-26-3      |
| 13535 | Levothyroxine Impurity 6                       | VS-L041041 | 105172-64-3  |
| 13536 | Levothyroxine Impurity 7                       | VS-L041042 | 300-38-9     |
| 13537 | Levothyroxine Impurity 8                       | VS-L041043 | 15106-62-4   |
| 13538 | 3,3',5-Triiodo-D-thyronine                     | VS-L041044 | 09-08-14     |
| 13539 | N-Formyl Thyroxine-13C6                        | VS-L041045 | 1346604-89-4 |
| 13540 | T4-Acetamide                                   | VS-L041046 | 176258-88-1  |
| 13541 | Lidocaine                                      | VS-L042000 | 137-58-6     |
| 13542 | Lidocaine Hydrochloride                        | VS-L042001 | 73-78-9      |

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| 13543 | Lidocaine Hydrochloride Monohydrate                    | VS-L042002 | 6108-05-0    |
| 13544 | Lidocaine EP Impurity A                                | VS-L042003 | 87-62-7      |
| 13545 | Lidocaine EP Impurity B                                | VS-L042004 | 2903-45-9    |
| 13546 | Lidocaine EP Impurity C                                | VS-L042005 | 2198-53-0    |
| 13547 | Lidocaine EP Impurity D                                | VS-L042006 | 7729-94-4    |
| 13548 | Lidocaine EP Impurity E                                | VS-L042007 | 745798-07-6  |
| 13549 | Lidocaine EP Impurity F                                | VS-L042008 | 857170-72-0  |
| 13550 | Lidocaine EP Impurity G                                | VS-L042009 | 35891-87-3   |
| 13551 | Lidocaine EP Impurity H                                | VS-L042010 | 1131-01-7    |
| 13552 | Lidocaine EP Impurity I                                | VS-L042011 | 17289-54-2   |
| 13553 | Lidocaine EP Impurity J                                | VS-L042012 | 1012864-23-1 |
| 13554 | Lidocaine EP Impurity K (HCL)                          | VS-L042013 | 50295-20-0   |
| 13555 | n-Dichloroacetyl-2,6-xylidine                          | VS-L042014 | 39084-88-3   |
| 13556 | N-(2,6-dimethylphenyl)-2-(ethyl(methyl)amino)acetamide | VS-L042015 | 74634-66-5   |
| 13557 | 3-Amino-2,4-Dimethylphenol                             | VS-L042016 | 100445-96-3  |
| 13558 | 3-Nitro-2,4-Dimethylphenol                             | VS-L042017 | 70261-49-3   |
| 13559 | Lidocaine Impurity 1                                   | VS-L042018 | N/A          |
| 13560 | Lidocaine Impurity 2                                   | VS-L042019 | N/A          |
| 13561 | Lidocaine Impurity G                                   | VS-L042020 | 42459-30-3   |
| 13562 | Lifitegrast                                            | VS-L043000 | 1025967-78-5 |
| 13563 | Hydroxy Lifitegrast                                    | VS-L043001 | N/A          |
| 13564 | Lifitegrast R-Isomer                                   | VS-L043002 | 2271299-08-0 |
| 13565 | Lifitegrast Impurity 1                                 | VS-L043003 | N/A          |
| 13566 | Lifitegrast Impurity 2                                 | VS-L043004 | N/A          |
| 13567 | Lifitegrast Impurity 3                                 | VS-L043005 | N/A          |
| 13568 | Lifitegrast Impurity 4                                 | VS-L043006 | N/A          |
| 13569 | Lifitegrast Impurity 5                                 | VS-L043007 | N/A          |
| 13570 | Lifitegrast Impurity 6                                 | VS-L043008 | N/A          |
| 13571 | Lifitegrast Impurity 7                                 | VS-L043009 | 2295862-00-7 |
| 13572 | Linacotide                                             | VS-L044000 | 851199-59-2  |
| 13573 | Linacotide Aspartic Acid Impurity                      | VS-L044001 | N/A          |
| 13574 | Linacotide Des-Tyrosine Impurity                       | VS-L044002 | N/A          |
| 13575 | L-Asp7 Linacotide Impurity                             | VS-L044003 | N/A          |
| 13576 | Acetylated Linacotide                                  | VS-L044004 | N/A          |
| 13577 | Linagliptin                                            | VS-L045000 | 668270-12-0  |
| 13578 | Linagliptin Related Compound A                         | VS-L045001 | 666816-98-4  |
| 13579 | Linagliptin Related Compound B                         | VS-L045002 | 668273-75-4  |
| 13580 | Linagliptin Related Compound C                         | VS-L045003 | N/A          |
| 13581 | Linagliptin Impurity B                                 | VS-L045004 | 2138392-83-1 |
| 13582 | Linagliptin Impurity D                                 | VS-L045005 | N/A          |
| 13583 | Linagliptin Impurity F                                 | VS-L045006 | N/A          |
| 13584 | Linagliptin Impurity G                                 | VS-L045007 | N/A          |
| 13585 | Linagliptin Impurity M                                 | VS-L045008 | N/A          |
| 13586 | Linagliptin Impurity N                                 | VS-L045009 | N/A          |
| 13587 | Linagliptin Impurity S                                 | VS-L045010 | 1638744-06-5 |
| 13588 | Linagliptin Phthalimide Impurity                       | VS-L045011 | 886588-63-2  |
| 13589 | Linagliptin Metabolite CD1790                          | VS-L045012 | N/A          |

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| 13590 | Linagliptin Tartaric Acid Impurity  | VS-L045013 | N/A          |
| 13591 | N-Aminoacyl Linagliptin             | VS-L045014 | 1955514-80-3 |
| 13592 | Linagliptin 2-Chloromethyl Impurity | VS-L045015 | 109113-72-6  |
| 13593 | 2-(Chloro methyl)quinazoline        | VS-L045016 | 6148-18-1    |
| 13594 | 1-(2-Aminophenyl)ethanone           | VS-L045017 | 551-93-9     |
| 13595 | Linagliptin Stereochemical Impurity | VS-L045018 | 1383917-84-7 |
| 13596 | Linagliptin Bromo Impurity          | VS-L045019 | 1446263-39-3 |
| 13597 | Hydroxy Methyl Linagliptin          | VS-L045020 | N/A          |
| 13598 | Trifluoro acetyl amino Linagliptin  | VS-L045021 | 1673546-62-7 |
| 13599 | N-formyl Linagliptin                | VS-L045022 | 2137744-33-1 |
| 13600 | Linagliptin Dimer Impurity 1        | VS-L045023 | 2463617-49-2 |
| 13601 | Linagliptin Diene Impurity          | VS-L045024 | N/A          |
| 13602 | Linagliptin Dimer Impurity          | VS-L045025 | N/A          |
| 13603 | Linagliptin Dimer Impurity 2        | VS-L045026 | 1418133-47-7 |
| 13604 | Linagliptin Dimer Impurity 3        | VS-L045027 | N/A          |
| 13605 | Linagliptin Dimer Impurity 4        | VS-L045028 | N/A          |
| 13606 | Linagliptin Dimer Impurity 5        | VS-L045029 | N/A          |
| 13607 | Linagliptin N,N'-Methylene Dimer    | VS-L045030 | 2489212-72-6 |
| 13608 | Linagliptin Impurity 1              | VS-L045031 | N/A          |
| 13609 | Linagliptin Impurity 2              | VS-L045032 | N/A          |
| 13610 | Linagliptin Impurity 3              | VS-L045033 | N/A          |
| 13611 | Linagliptin Impurity 4              | VS-L045034 | N/A          |
| 13612 | Linagliptin Impurity 5              | VS-L045035 | 2253964-85-9 |
| 13613 | Linagliptin Impurity 6 TriHCl       | VS-L045036 | N/A          |
| 13614 | Linagliptin Impurity 7              | VS-L045037 | 2416949-69-2 |
| 13615 | Linagliptin Impurity 8              | VS-L045038 | N/A          |
| 13616 | Linagliptin Impurity 9              | VS-L045039 | N/A          |
| 13617 | Linagliptin Impurity 10 (S-Isomer)  | VS-L045040 | 668270-11-9  |
| 13618 | Linagliptin Impurity 12             | VS-L045041 | N/A          |
| 13619 | Linagliptin Impurity 13             | VS-L045042 | 2279114-31-5 |
| 13620 | Linagliptin impurity 14             | VS-L045043 | 2253964-98-4 |
| 13621 | Linagliptin N-Acetyl Impurity       | VS-L045044 | 1803079-49-3 |
| 13622 | Linagliptin impurity 16             | VS-L045045 | 1911621-52-7 |
| 13623 | Linagliptin Impurity 18             | VS-L045046 | 1646355-34-1 |
| 13624 | Linagliptin Impurity 20             | VS-L045047 | 2514949-81-4 |
| 13625 | Linagliptin Impurity 21             | VS-L045048 | 666816-91-7  |
| 13626 | Linagliptin Impurity 22             | VS-L045049 | 2518331-40-1 |
| 13627 | Linagliptin Impurity 23             | VS-L045050 | N/A          |
| 13628 | Linagliptin Impurity 24             | VS-L045051 | N/A          |
| 13629 | Linagliptin Impurity 25             | VS-L045052 | N/A          |
| 13630 | Linagliptin Impurity 26             | VS-L045053 | N/A          |
| 13631 | Linagliptin Impurity 27             | VS-L045054 | 1446263-38-2 |
| 13632 | Linagliptin Impurity 28             | VS-L045055 | N/A          |
| 13633 | Linagliptin Impurity 29             | VS-L045056 | N/A          |
| 13634 | Linagliptin Impurity 30             | VS-L045057 | 1573118-33-8 |
| 13635 | Linagliptin Impurity 31             | VS-L045058 | N/A          |
| 13636 | Linagliptin Impurity 32             | VS-L045059 | 853029-57-9  |

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| 13637 | Linagliptin Impurity 33                     | VS-L045060 | 1339955-47-3 |
| 13638 | Linagliptin Impurity 34                     | VS-L045061 | 2074688-84-7 |
| 13639 | Linagliptin Impurity 35                     | VS-L045062 | 2443735-53-1 |
| 13640 | Linagliptin Impurity 36                     | VS-L045063 | 2074688-82-5 |
| 13641 | Linagliptin Impurity 37                     | VS-L045064 | 2074688-81-4 |
| 13642 | Linagliptin Impurity 38                     | VS-L045065 | 13535-91-6   |
| 13643 | Linagliptin Impurity 39                     | VS-L045066 | 6972-77-6    |
| 13644 | Linagliptin Impurity 40                     | VS-L045067 | 6972-78-7    |
| 13645 | Linagliptin Impurity 41                     | VS-L045068 | 622-31-1     |
| 13646 | Linagliptin Impurity 42                     | VS-L045069 | N/A          |
| 13647 | Linagliptin Impurity 43                     | VS-L045070 | 1807608-59-8 |
| 13648 | Linagliptin Impurity 44                     | VS-L045071 | 1791405-13-4 |
| 13649 | Linagliptin Impurity 45                     | VS-L045072 | N/A          |
| 13650 | Linagliptin Impurity 46                     | VS-L045073 | N/A          |
| 13651 | Linagliptin Impurity 47                     | VS-L045074 | N/A          |
| 13652 | Linagliptin Impurity 48                     | VS-L045075 | 309956-78-3  |
| 13653 | Linagliptin Impurity 49                     | VS-L045076 | 2468656-63-3 |
| 13654 | Linagliptin Dimer Impurity 6                | VS-L045077 | 1643364-41-3 |
| 13655 | Linagliptin Impurity-VII                    | VS-L045078 | N/A          |
| 13656 | Linagliptin Impurity 50                     | VS-L045079 | 1076-22-8    |
| 13657 | Linagliptin Impurity 51                     | VS-L045080 | 188111-79-7  |
| 13658 | Linagliptin Impurity 52                     | VS-L045081 | 130622-05-8  |
| 13659 | Linagliptin Impurity 69                     | VS-L045082 | 2444011-29-2 |
| 13660 | Linagliptin Regio Isomer Dinitroso Impurity | VS-L045083 | NA           |
| 13661 | Linagliptin Regio Isomer Nitroso Impurity 1 | VS-L045084 | NA           |
| 13662 | Linagliptin Regio Isomer Nitroso Impurity 2 | VS-L045085 | NA           |
| 13663 | Linagliptin Nitroso Dimer Impurity 1        | VS-L045086 | NA           |
| 13664 | Linagliptin Nitroso Dimer Impurity 2        | VS-L045087 | NA           |
| 13665 | Linagliptin N- Glucose Impurity             | VS-L045088 | NA           |
| 13666 | Linagliptin D3                              | VS-L045089 | 1398044-48-8 |
| 13667 | N-Nitroso Linagliptin Related Compound B    | VS-L045090 | NA           |
| 13668 | Linagliptin Impurity H                      | VS-L045091 | 1646355-34-1 |
| 13669 | Linagliptin butyl Impurity                  | VS-L045092 | 586408-08-4  |
| 13670 | Linagliptin D4                              | VS-L045093 | 2140263-92-7 |
| 13671 | Linagliptin Impurity 70                     | VS-L045094 | NA           |
| 13672 | Lincomycin                                  | VS-L046000 | 154-21-2     |
| 13673 | Lincomycin Hydrochloride                    | VS-L046001 | 859-18-7     |
| 13674 | Lincomycin Palmitate                        | VS-L046002 | N/A          |
| 13675 | Lincomycin B Hydrochloride                  | VS-L046003 | 11021-35-5   |
| 13676 | 7-Epi Lincomycin Hydrochloride              | VS-L046004 | 26389-84-4   |
| 13677 | Lincomycin EP Impurity A                    | VS-L046005 | N/A          |
| 13678 | Lincomycin EP Impurity B                    | VS-L046006 | 37744-65-3   |
| 13679 | Lincomycin EP Impurity C                    | VS-L046007 | 14600-41-0   |
| 13680 | Lincomycin EP Impurity D                    | VS-L046008 | 17017-22-0   |
| 13681 | Lincomycin EP Impurity E                    | VS-L046009 | 13380-36-4   |
| 13682 | Lincomycin EP Impurity E (HCl)              | VS-L046010 | 6734-79-8    |
| 13683 | Lincomycin EP Impurity F                    | VS-L046011 | 14810-93-6   |

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| 13684 | Lincomycin Hydrochloride Monohydrate                                | VS-L046012 | 7179-49-9    |
| 13685 | Lincomycin EP Impurity C (Freebase)                                 | VS-L046013 | 2256-16-8    |
| 13686 | Linezolid                                                           | VS-L047000 | 165800-03-3  |
| 13687 | Linezolid USP RC A                                                  | VS-L047001 | 168828-84-0  |
| 13688 | Linezolid USP RC B                                                  | VS-L047002 | 216868-57-4  |
| 13689 | Linezolid USP RC C                                                  | VS-L047003 | 168828-90-8  |
| 13690 | Linezolid USP RC D                                                  | VS-L047004 | 174649-09-3  |
| 13691 | Linezolid Related Compound C Tosylate                               | VS-L047005 | 1334229-25-2 |
| 13692 | Linezolid Related Impurity 1                                        | VS-L047006 | 1532560-87-4 |
| 13693 | Linezolid (R)-Isomer                                                | VS-L047007 | 872992-20-6  |
| 13694 | Linezolid Amine Impurity                                            | VS-L047008 | 93246-53-8   |
| 13695 | Linezolid Benzyl Impurity                                           | VS-L047009 | 168828-81-7  |
| 13696 | Linezolid Chlorohydrin Impurity                                     | VS-L047010 | 1610690-08-8 |
| 13697 | Linezolid Desacetamide Descarbonyl Phthalimide (R)-Isomer           | VS-L047011 | 874340-08-6  |
| 13698 | Linezolid Desacetamide Descarbonyl Phthalimide (S)-Isomer           | VS-L047012 | 2512195-95-6 |
| 13699 | Linezolid Desacetamide Descarbonyl Phthalimide Desfluoro (R)-Isomer | VS-L047013 | 1798887-61-2 |
| 13700 | Linezolid Desacetamide Phthalimide (R)-Isomer                       | VS-L047014 | 947736-16-5  |
| 13701 | Linezolid Desacetamide Phthalimide (S)-Isomer                       | VS-L047015 | 168828-89-5  |
| 13702 | Linezolid Descarbonyl (R)-Isomer                                    | VS-L047016 | 333753-67-6  |
| 13703 | Linezolid Descarbonyl (S)-Isomer                                    | VS-L047017 | 1561176-27-9 |
| 13704 | Linezolid Descarbonyl N-Desacetyl Impurity                          | VS-L047018 | 333753-72-3  |
| 13705 | Linezolid Descarbonyl N-Desacetyl N-Acetyl Impurity                 | VS-L047019 | 1391068-25-9 |
| 13706 | Linezolid Desfluoro Impurity                                        | VS-L047020 | 556801-15-1  |
| 13707 | Linezolid Dimer                                                     | VS-L047021 | 908143-04-4  |
| 13708 | Linezolid Hydroxymethyl Impurity                                    | VS-L047022 | 168828-82-8  |
| 13709 | Linezolid N,O-Diacetyl Azido Impurity                               | VS-L047023 | N/A          |
| 13710 | Linezolid N-Acetylamino Impurity                                    | VS-L047024 | 1807854-53-0 |
| 13711 | Linezolid N-Desacetyl (R)-Isomer                                    | VS-L047025 | 912359-80-9  |
| 13712 | Linezolid N-Desacetyl Dimer                                         | VS-L047026 | N/A          |
| 13713 | Linezolid N-Methyl Impurity                                         | VS-L047027 | N/A          |
| 13714 | Linezolid N-Oxide                                                   | VS-L047028 | 189038-36-6  |
| 13715 | Linezolid Related Impurity 2 HCl                                    | VS-L047029 | N/A          |
| 13716 | Racemic Linezolid                                                   | VS-L047030 | 224323-50-6  |
| 13717 | Linezolid Acetate Impurity                                          | VS-L047031 | 496031-56-2  |
| 13718 | Linezolid Chloro Impurity                                           | VS-L047032 | 496031-57-3  |
| 13719 | Linezolid Benzylamine Impurity                                      | VS-L047033 | 1236077-61-4 |
| 13720 | Linezolid Dimethylsulfonate Impurity                                | VS-L047034 | N/A          |
| 13721 | Linezolid JXA Impurity                                              | VS-L047035 | 168828-65-7  |
| 13722 | N,O-Desethylene Linezolid HCl                                       | VS-L047036 | N/A          |
| 13723 | Linezolid Impurity 7 HCl                                            | VS-L047037 | 2055572-73-9 |
| 13724 | Linezolid Impurity 9                                                | VS-L047038 | 1634630-28-6 |
| 13725 | Linezolid Impurity 10                                               | VS-L047039 | N/A          |
| 13726 | Linezolid Impurity 11                                               | VS-L047040 | 1215006-08-8 |
| 13727 | Linezolid Impurity 12                                               | VS-L047041 | 1215006-11-3 |
| 13728 | Linezolid Impurity 13 (PNU142300)                                   | VS-L047042 | 368891-69-4  |
| 13729 | Linezolid Impurity 14 (PNU142586)                                   | VS-L047043 | 368891-70-7  |
| 13730 | Linezolid Impurity 15                                               | VS-L047044 | 1391062-33-1 |

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| 13731 | Linezolid Impurity 16 (Linezolid Diphthalimide)                                                                                                        | VS-L047045 | 1798014-14-8 |
| 13732 | Linezolid Impurity 17                                                                                                                                  | VS-L047046 | N/A          |
| 13733 | Linezolid Impurity 19                                                                                                                                  | VS-L047047 | 224323-47-1  |
| 13734 | Linezolid Impurity 20                                                                                                                                  | VS-L047048 | N/A          |
| 13735 | Linezolid Impurity 21                                                                                                                                  | VS-L047049 | 212325-40-1  |
| 13736 | Linezolid Impurity 22                                                                                                                                  | VS-L047050 | 2250243-54-8 |
| 13737 | Linezolid Impurity 23 HCl                                                                                                                              | VS-L047051 | 1429334-07-5 |
| 13738 | Linezolid Impurity 24                                                                                                                                  | VS-L047052 | N/A          |
| 13739 | Linezolid Impurity 25                                                                                                                                  | VS-L047053 | 384344-17-6  |
| 13740 | Linezolid Impurity 26                                                                                                                                  | VS-L047054 | 1394245-06-7 |
| 13741 | Linezolid Impurity 27                                                                                                                                  | VS-L047055 | 369-34-6     |
| 13742 | Linezolid Impurity 28                                                                                                                                  | VS-L047056 | 2689-39-6    |
| 13743 | Linezolid Impurity 29                                                                                                                                  | VS-L047057 | 868405-66-7  |
| 13744 | Linezolid Impurity 30                                                                                                                                  | VS-L047058 | 2512211-93-5 |
| 13745 | Linezolid Impurity 31                                                                                                                                  | VS-L047059 | N/A          |
| 13746 | Linezolid Impurity 32                                                                                                                                  | VS-L047060 | N/A          |
| 13747 | Linezolid Impurity 33                                                                                                                                  | VS-L047061 | N/A          |
| 13748 | Linezolid Impurity 34                                                                                                                                  | VS-L047062 | 952288-54-9  |
| 13749 | Linezolid Impurity 35                                                                                                                                  | VS-L047063 | 1345879-87-9 |
| 13750 | Linezolid Impurity 36                                                                                                                                  | VS-L047064 | 1345879-85-7 |
| 13751 | Linezolid Impurity 37                                                                                                                                  | VS-L047065 | N/A          |
| 13752 | Linezolid Impurity 38                                                                                                                                  | VS-L047066 | N/A          |
| 13753 | Linezolid Impurity 39                                                                                                                                  | VS-L047067 | N/A          |
| 13754 | Linezolid Impurity 40                                                                                                                                  | VS-L047068 | N/A          |
| 13755 | Linezolid Impurity 41                                                                                                                                  | VS-L047069 | N/A          |
| 13756 | N-Nitroso linezolid Impurity 1                                                                                                                         | VS-L047070 | N/A          |
| 13757 | N-{3-[acetyl(3-fluoro-4-(morpholin-4-yl)phenyl)amino]propyl}-N-({(5S)-3-[3-fluoro-4-(morpholin-4-yl)phenyl]-2-oxo-1,3-oxazolidin-5-yl)methyl}acetamide | VS-L047071 | N/A          |
| 13758 | LINEZOLID IMPURITY C                                                                                                                                   | VS-L047072 | 874340-08-6  |
| 13759 | 1-butyrylglycerol                                                                                                                                      | VS-L047073 | 557-25-5     |
| 13760 | 2,2-dihydroxyethyl butyrate                                                                                                                            | VS-L047074 | N/A          |
| 13761 | Linolenic Acid                                                                                                                                         | VS-L048000 | 463-40-1     |
| 13762 | Gamma-Linolenic Acid                                                                                                                                   | VS-L048001 | 506-26-3     |
| 13763 | Liothyronine                                                                                                                                           | VS-L049000 | 03-02-93     |
| 13764 | Liothyronine Sodium                                                                                                                                    | VS-L049001 | 55-06-1      |
| 13765 | Liothyronine EP Impurity A                                                                                                                             | VS-L049002 | 51-48-9      |
| 13766 | Liothyronine EP Impurity B                                                                                                                             | VS-L049003 | 18835-59-1   |
| 13767 | Liothyronine EP Impurity C                                                                                                                             | VS-L049004 | 51-24-1      |
| 13768 | Liothyronine EP Impurity D                                                                                                                             | VS-L049005 | 67-30-1      |
| 13769 | Liothyronine EP Impurity E                                                                                                                             | VS-L049006 | 1041-01-6    |
| 13770 | Liothyronine Impurity F                                                                                                                                | VS-L049007 | 60578-17-8   |
| 13771 | Liothyronine Impurity G                                                                                                                                | VS-L049008 | 1155-40-4    |
| 13772 | Liothyronine Impurity H                                                                                                                                | VS-L049009 | 70-78-0      |
| 13773 | Liothyronine Impurity I                                                                                                                                | VS-L049010 | 94345-95-6   |
| 13774 | Liothyronine Lactose Adduct                                                                                                                            | VS-L049011 | N/A          |
| 13775 | Lisinopril                                                                                                                                             | VS-L050000 | 76547-98-3   |

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| 13776 | Lisinopril Dihydrate            | VS-L050001 | 83915-83-7   |
| 13777 | CPP Lisinopril Impurity         | VS-L050002 | 305332-61-0  |
| 13778 | Lisinopril EP Impurity A        | VS-L050003 | 5472-95-7    |
| 13779 | Lisinopril EP Impurity B        | VS-L050004 | 104-15-4     |
| 13780 | Lisinopril EP Impurity C        | VS-L050005 | 328385-86-0  |
| 13781 | Lisinopril EP Impurity D        | VS-L050006 | 219677-82-4  |
| 13782 | Lisinopril EP Impurity E        | VS-L050007 | 85955-59-5   |
| 13783 | Lisinopril EP Impurity F        | VS-L050008 | 1132650-67-9 |
| 13784 | Lisinopril EP Impurity G        | VS-L050009 | 1356839-89-8 |
| 13785 | Lisinopril EP Impurity H        | VS-L050010 | 138247-43-5  |
| 13786 | Lisinopril EP Impurity I        | VS-L050011 | 927819-64-5  |
| 13787 | Lisinopril EP Impurity J        | VS-L050012 | 2566937-60-6 |
| 13788 | Lisinopril Dihydrate Impurity J | VS-L050013 | N/A          |
| 13789 | Lisinopril Impurity 1           | VS-L050014 | N/A          |
| 13790 | Lisinopril Impurity 2           | VS-L050015 | N/A          |
| 13791 | Lisinopril Impurity 3           | VS-L050016 | N/A          |
| 13792 | Lisinopril Impurity 4           | VS-L050017 | N/A          |
| 13793 | Lisinopril Impurity 5           | VS-L050018 | 116169-90-5  |
| 13794 | N-Nitroso Lisinopril            | VS-L050019 | 519175-80-5  |
| 13795 | Lisinopril Des-Proline Dimer-I  | VS-L050020 | N/A          |
| 13796 | Lisinopril Des-Proline Dimer-II | VS-L050021 | N/A          |
| 13797 | Lisinopril Impurity 6           | VS-L050022 | 199002-02-3  |
| 13798 | Lisinopril Impurity 7           | VS-L050023 | 1428117-83-2 |
| 13799 | Lobeglitazone                   | VS-L051000 | 607723-33-1  |
| 13800 | Lofexidine                      | VS-L052000 | 31036-80-3   |
| 13801 | Lofexidine Amido Amine Impurity | VS-L052001 | N/A          |
| 13802 | Lofexidine Amine Impurity       | VS-L052002 | 86981-80-8   |
| 13803 | Lofexidine Acid Impurity        | VS-L052003 | 25140-90-3   |
| 13804 | Lofexidine Nitrile Impurity     | VS-L052004 | 78302-27-9   |
| 13805 | Lofexidine Ethyl Ester Impurity | VS-L052005 | 344559-34-8  |
| 13806 | Lopamidol                       | VS-L053000 | 60166-93-0   |
| 13807 | Lopamidol EP Impurity A         | VS-L053001 | 60166-98-5   |
| 13808 | Lopamidol EP Impurity B         | VS-L053002 | 77868-41-8   |
| 13809 | Lopamidol EP Impurity C         | VS-L053003 | 87932-07-8   |
| 13810 | Lopamidol EP Impurity D         | VS-L053004 | 87932-11-4   |
| 13811 | Lopamidol EP Impurity E         | VS-L053005 | 60166-92-9   |
| 13812 | Lopamidol EP Impurity F         | VS-L053006 | 1869069-71-5 |
| 13813 | Lopamidol EP Impurity G         | VS-L053007 | 1869069-72-6 |
| 13814 | Lopamidol EP Impurity H         | VS-L053008 | N/A          |
| 13815 | Lopamidol EP Impurity I         | VS-L053009 | N/A          |
| 13816 | Lopamidol EP Impurity J         | VS-L053010 | 77868-44-1   |
| 13817 | Lopamidol EP Impurity K         | VS-L053011 | 1788899-70-6 |
| 13818 | Loperamide Hydrochloride        | VS-L053012 | 34552-83-5   |
| 13819 | N-desmethyl Loperamide          | VS-L053013 | 66164-07-6   |
| 13820 | Loperamide N-Oxide              | VS-L053014 | 217471-03-9  |
| 13821 | Loperamide EP Impurity A        | VS-L053015 | 1391052-94-0 |
| 13822 | Loperamide EP Impurity B        | VS-L053016 | N/A          |



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| 13823 | Loperamide EP Impurity C                              | VS-L053017 | 39512-49-7   |
| 13824 | Loperamide EP Impurity D                              | VS-L053018 | 37743-41-2   |
| 13825 | Loperamide EP Impurity E                              | VS-L053019 | 1426322-82-8 |
| 13826 | Loperamide EP Impurity F                              | VS-L053020 | 106900-12-3  |
| 13827 | Loperamide EP Impurity G                              | VS-L053021 | 109572-89-6  |
| 13828 | Loperamide EP Impurity H                              | VS-L053022 | 61299-42-1   |
| 13829 | Loperamide Impurity 1                                 | VS-L053023 | 37743-18-3   |
| 13830 | Loperamide Impurity 2                                 | VS-L053024 | N/A          |
| 13831 | Loperamide Impurity 3                                 | VS-L053025 | 3468-99-3    |
| 13832 | N- nitroso desmethyl Loperamide                       | VS-L053026 | N/A          |
| 13833 | Loperamide Impurity B (Br Salt)                       | VS-L053027 | 2575516-63-9 |
| 13834 | Loperamide                                            | VS-L053028 | 53179-11-6   |
| 13835 | Lopinavir                                             | VS-L054000 | 192725-17-0  |
| 13836 | Lopinavir EP Impurity A                               | VS-L054001 | 192726-05-9  |
| 13837 | Lopinavir EP Impurity B                               | VS-L054002 | N/A          |
| 13838 | Lopinavir EP Impurity C                               | VS-L054003 | N/A          |
| 13839 | Lopinavir EP Impurity D                               | VS-L054004 | N/A          |
| 13840 | Lopinavir EP Impurity E                               | VS-L054005 | 192725-49-8  |
| 13841 | Lopinavir EP Impurity E Hydrochloride                 | VS-L054006 | 2068137-94-8 |
| 13842 | Lopinavir EP Impurity F                               | VS-L054007 | N/A          |
| 13843 | Lopinavir EP Impurity G                               | VS-L054008 | N/A          |
| 13844 | Lopinavir EP Impurity H                               | VS-L054009 | N/A          |
| 13845 | Lopinavir EP Impurity I                               | VS-L054010 | N/A          |
| 13846 | Lopinavir EP Impurity J                               | VS-L054011 | N/A          |
| 13847 | Lopinavir EP Impurity K                               | VS-L054012 | 1623021-24-8 |
| 13848 | Lopinavir EP Impurity L                               | VS-L054013 | N/A          |
| 13849 | Lopinavir EP Impurity M                               | VS-L054014 | N/A          |
| 13850 | Lopinavir EP Impurity N                               | VS-L054015 | 1798014-18-2 |
| 13851 | Lopinavir EP Impurity O                               | VS-L054016 | N/A          |
| 13852 | Lopinavir EP Impurity P                               | VS-L054017 | 1217628-64-2 |
| 13853 | Lopinavir EP Impurity Q                               | VS-L054018 | 667904-94-1  |
| 13854 | Lopinavir EP Impurity R                               | VS-L054019 | 943250-66-6  |
| 13855 | Lopinavir EP Impurity S                               | VS-L054020 | 943250-65-5  |
| 13856 | Lopinavir EP Impurity T                               | VS-L054021 | 1797024-56-6 |
| 13857 | Lopinavir Impurity A                                  | VS-L054022 | 162849-93-6  |
| 13858 | Lopinavir Impurity B                                  | VS-L054023 | 943238-69-5  |
| 13859 | Lopinavir Related Compound C                          | VS-L054024 | 2125942-48-3 |
| 13860 | Isolopinavir                                          | VS-L054025 | N/A          |
| 13861 | Lopinavir Pentanamide Analog                          | VS-L054026 | 1132765-59-3 |
| 13862 | Sulfolopinavir                                        | VS-L054027 | N/A          |
| 13863 | Lopinavir Amino Alcohol Urea                          | VS-L054028 | N/A          |
| 13864 | Lopinavir 4R-Epimer                                   | VS-L054029 | N/A          |
| 13865 | Lopinavir Metabolite M3-M4 (Mixture of Diastereomers) | VS-L054030 | 357275-54-8  |
| 13866 | Metabolite M1 Impurity                                | VS-L054031 | 192725-39-6  |
| 13867 | Lopinavir (2S,4R,5R) isomer                           | VS-L054032 | N/A          |
| 13868 | Lopinavir Free Amine                                  | VS-L054033 | N/A          |
| 13869 | Lopinavir Leucine Analog                              | VS-L054034 | 192725-50-1  |

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| 13870 | Lopinavir Impurity 1                                        | VS-L054035 | N/A          |
| 13871 | Lopinavir Impurity 2                                        | VS-L054036 | 1370045-08-1 |
| 13872 | Lopinavir Impurity 3                                        | VS-L054037 | N/A          |
| 13873 | Lopinavir Impurity 4                                        | VS-L054038 | N/A          |
| 13874 | Lopinavir Impurity 6                                        | VS-L054039 | 13335-71-2   |
| 13875 | Lopinavir Phenoxycetamide                                   | VS-L054040 | 943238-70-8  |
| 13876 | Lopinavir Impurity 7                                        | VS-L054041 | 943238-68-4  |
| 13877 | Loratadine                                                  | VS-L055000 | 79794-75-5   |
| 13878 | Loratadine EP Impurity A                                    | VS-L055001 | 133284-74-9  |
| 13879 | Loratadine EP Impurity B                                    | VS-L055002 | 31251-41-9   |
| 13880 | Loratadine EP Impurity C                                    | VS-L055003 | 165739-83-3  |
| 13881 | Loratadine EP Impurity D                                    | VS-L055004 | 100643-71-8  |
| 13882 | Loratadine USP Related Compound D                           | VS-L055005 | 38089-93-9   |
| 13883 | Loratadine EP Impurity E                                    | VS-L055006 | 444995-23-7  |
| 13884 | Loratadine USP Related Compound E                           | VS-L055007 | 133330-60-6  |
| 13885 | Loratadine EP Impurity F                                    | VS-L055008 | 125743-80-8  |
| 13886 | Loratadine EP Impurity G                                    | VS-L055009 | 38092-89-6   |
| 13887 | Loratadine EP Impurity H                                    | VS-L055010 | 29976-53-2   |
| 13888 | Loratadine 2-Chloro Impurity                                | VS-L055011 | 165739-64-0  |
| 13889 | Loratadine 2-Hydroxymethyl Impurity (USP)                   | VS-L055012 | 609806-39-5  |
| 13890 | Loratadine 3-Hydroxy Impurity                               | VS-L055013 | 183483-15-0  |
| 13891 | Loratadine 4-Hydroxymethyl Impurity (USP)                   | VS-L055014 | 609806-40-8  |
| 13892 | Loratadine 8-Bromo Impurity                                 | VS-L055015 | 130642-60-3  |
| 13893 | Loratadine Cyano Impurity                                   | VS-L055016 | 31255-57-9   |
| 13894 | Loratadine Deschloro Impurity                               | VS-L055017 | 79779-58-1   |
| 13895 | Loratadine N-Oxide                                          | VS-L055018 | 165739-62-8  |
| 13896 | 3-bromophenol                                               | VS-L055019 | 591-20-8     |
| 13897 | Methyl analogue of Loratadine                               | VS-L055020 | 165740-03-4  |
| 13898 | Iso Loratadine A                                            | VS-L055021 | 169253-13-8  |
| 13899 | Dehydro Loratadine Isomer A                                 | VS-L055022 | 2470226-18-5 |
| 13900 | Dehydro Loratadine Isomer B                                 | VS-L055023 | 133330-56-0  |
| 13901 | Loratadine Related Compound H (Dehydro Loratadine Isomer A) | VS-L055024 | N/A          |
| 13902 | 12-Hydroxy Loratadine                                       | VS-L055025 | N/A          |
| 13903 | 12-Fluoro Dihydroloratadine                                 | VS-L055026 | 125743-79-5  |
| 13904 | Loratadine Impurity 1                                       | VS-L055027 | N/A          |
| 13905 | Loratadine Impurity 2                                       | VS-L055028 | 133330-72-0  |
| 13906 | Loratadine Impurity 3                                       | VS-L055029 | N/A          |
| 13907 | Loratadine Impurity 4                                       | VS-L055030 | N/A          |
| 13908 | Loratadine Impurity 5                                       | VS-L055031 | N/A          |
| 13909 | Loratadine Impurity 6                                       | VS-L055032 | 107256-32-6  |
| 13910 | Loratadine Impurity 7                                       | VS-L055033 | 52003-32-4   |
| 13911 | Loratadine Impurity 8                                       | VS-L055034 | 5325-94-0    |
| 13912 | Loratadine EP Impurity E                                    | VS-L055035 | 170727-59-0  |
| 13913 | Loratadine Impurity 9                                       | VS-L055036 | 38093-13-9   |
| 13914 | Lorcaserin HCl                                              | VS-L056001 | 846589-98-8  |
| 13915 | Lorcaserin Deschloro Impurity                               | VS-L056002 | 2127411-91-8 |
| 13916 | Lorcaserin Propyl Impurity                                  | VS-L056003 | N/A          |

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| 13917 | Lorcaserin Impurity 1                                  | VS-L056004 | 847063-13-2  |
| 13918 | Lorcaserin Impurity 2                                  | VS-L056005 | N/A          |
| 13919 | Lorcaserin Impurity 3                                  | VS-L056006 | 953789-37-2  |
| 13920 | Lorcaserin Impurity 4                                  | VS-L056007 | N/A          |
| 13921 | Lorcaserin Impurity 5                                  | VS-L056008 | 34164-14-2   |
| 13922 | Lorcaserin Impurity 6                                  | VS-L056009 | 1006037-59-7 |
| 13923 | Lorlatinib                                             | VS-L057000 | 1454846-35-5 |
| 13924 | Lornoxicam                                             | VS-L058000 | 70374-39-9   |
| 13925 | Lornoxicam Impurity A                                  | VS-L058001 | 504-29-0     |
| 13926 | Lornoxicam Impurity B                                  | VS-L058002 | 70415-50-8   |
| 13927 | Lornoxicam Impurity C                                  | VS-L058003 | 906522-88-1  |
| 13928 | Lornoxicam Impurity D                                  | VS-L058004 | 906522-87-0  |
| 13929 | Lornoxicam methyl ether                                | VS-L058005 | 2469039-23-2 |
| 13930 | 5-Hydroxy Lornoxicam                                   | VS-L058006 | 123252-96-0  |
| 13931 | Lornoxicam Deschloro Analog                            | VS-L058007 | 59804-37-4   |
| 13932 | Lornoxicam Impurity 1                                  | VS-L058008 | 13120-39-3   |
| 13933 | Lornoxicam Impurity 2                                  | VS-L058009 | 1017791-22-8 |
| 13934 | Lornoxicam Impurity 3                                  | VS-L058010 | 187746-97-0  |
| 13935 | Lornoxicam Impurity 4                                  | VS-L058011 | N/A          |
| 13936 | Lornoxicam Impurity 5                                  | VS-L058012 | 70374-36-6   |
| 13937 | Lornoxicam Impurity 6                                  | VS-L058013 | 187746-94-7  |
| 13938 | Lornoxicam Methyl Ester                                | VS-L058014 | 70415-50-8   |
| 13939 | Losartan Potassium                                     | VS-L059000 | 124750-99-8  |
| 13940 | Losartan EP Impurity A                                 | VS-L059001 | 79047-41-9   |
| 13941 | Losartan EP Impurity B                                 | VS-L059002 | 160514-13-6  |
| 13942 | Losartan EP Impurity C                                 | VS-L059003 | 114799-13-2  |
| 13943 | Losartan EP Impurity D                                 | VS-L059004 | 83857-96-9   |
| 13944 | Losartan EP Impurity E                                 | VS-L059005 | 120568-11-8  |
| 13945 | Losartan EP Impurity F                                 | VS-L059006 | 1332713-64-0 |
| 13946 | Losartan EP Impurity G                                 | VS-L059007 | 76-84-6      |
| 13947 | Losartan EP Impurity H                                 | VS-L059008 | 133909-99-6  |
| 13948 | Losartan EP Impurity I                                 | VS-L059009 | 1006062-28-7 |
| 13949 | Losartan EP Impurity J                                 | VS-L059010 | 1006062-27-6 |
| 13950 | Losartan EP Impurity K                                 | VS-L059011 | 114798-36-6  |
| 13951 | Losartan EP Impurity L                                 | VS-L059012 | 230971-71-8  |
| 13952 | Losartan EP Impurity M                                 | VS-L059013 | 230971-72-9  |
| 13953 | Losartan Related Compound A                            | VS-L059014 | 124750-67-0  |
| 13954 | Losartan Related Compound B                            | VS-L059015 | 114772-55-3  |
| 13955 | Losartan Isomer N2-Trityl Impurity                     | VS-L059016 | 150098-04-7  |
| 13956 | Losartan N,O-Ditrityl Impurity                         | VS-L059017 | 1796930-34-1 |
| 13957 | Losartan Acetyloxy Impurity                            | VS-L059018 | 253678-97-6  |
| 13958 | Losartan Aldehyde N2-Trityl Impurity                   | VS-L059019 | 133910-00-6  |
| 13959 | Losartan Bromo N2-Trityl Impurity                      | VS-L059020 | 133051-88-4  |
| 13960 | Losartan Carboxylic Acid                               | VS-L059021 | 124750-92-1  |
| 13961 | 4'-methyl-[1,1'-biphenyl]-2-carbonitrile               | VS-L059022 | 114772-53-1  |
| 13962 | 2'-(2H-Tetrazol-5-yl)-[1,1'-biphenyl]-4-carboxaldehyde | VS-L059023 | 151052-40-3  |
| 13963 | 5-(4'-methylbiphenyl-2-yl)-1-trityl-1H-tetrazole       | VS-L059024 | 124750-53-4  |

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| 13964 | Losartan Azide impurity                   | VS-L059025 | 727718-93-6  |
| 13965 | Losartan Cum-Alcohol                      | VS-L059026 | 852357-69-8  |
| 13966 | Trityl Losartan                           | VS-L059027 | 124751-00-4  |
| 13967 | N-Trityl Losartan Isomer                  | VS-L059028 | 133727-10-3  |
| 13968 | N-Trityl Losartan Carboxaldehyde          | VS-L059029 | 120568-18-5  |
| 13969 | Losartan Amine                            | VS-L059030 | 141949-89-5  |
| 13970 | Losartan Methyl Ester                     | VS-L059031 | 114798-94-6  |
| 13971 | Losartan Butyl Ester                      | VS-L059032 | 2204442-78-2 |
| 13972 | Losartan Tetramethylbenzidine             | VS-L059033 | 54827-17-7   |
| 13973 | Losartan Nitroso Impurity                 | VS-L059034 | N/A          |
| 13974 | Losartan Impurity 1                       | VS-L059035 | 2755908-48-4 |
| 13975 | Losartan Impurity 2                       | VS-L059036 | N/A          |
| 13976 | Losartan Impurity 3                       | VS-L059037 | N/A          |
| 13977 | Losartan Impurity 4                       | VS-L059038 | N/A          |
| 13978 | Losartan Impurity 5                       | VS-L059039 | N/A          |
| 13979 | Losartan Impurity 6                       | VS-L059040 | N/A          |
| 13980 | Losartan Impurity 7                       | VS-L059041 | 159448-66-5  |
| 13981 | Losartan Impurity 9                       | VS-L059042 | N/A          |
| 13982 | Losartan Impurity 10                      | VS-L059043 | N/A          |
| 13983 | Losartan Impurity 11                      | VS-L059044 | N/A          |
| 13984 | Losartan Impurity 12                      | VS-L059045 | 2353190-33-5 |
| 13985 | Losartan Impurity 14                      | VS-L059046 | 178554-16-0  |
| 13986 | Losartan Impurity 15                      | VS-L059047 | N/A          |
| 13987 | Losartan Impurity 16                      | VS-L059048 | N/A          |
| 13988 | Losartan Impurity 17                      | VS-L059049 | N/A          |
| 13989 | Losartan Impurity 20                      | VS-L059050 | 1407521-00-9 |
| 13990 | Losartan Impurity 21                      | VS-L059051 | N/A          |
| 13991 | Losartan Impurity 22                      | VS-L059052 | N/A          |
| 13992 | Losartan EP Impurity E Potassium Salt     | VS-L059053 | 860644-27-5  |
| 13993 | Losartan EP Impurity C Potassium Salt     | VS-L059054 | 860644-28-6  |
| 13994 | Losartan Impurity 30                      | VS-L059055 | 2204369-11-7 |
| 13995 | Losartan                                  | VS-L059056 | 114798-26-4  |
| 13996 | Losartan Carboxylic Acid-D4               | VS-L059057 | 1246820-62-1 |
| 13997 | Losartan D4                               | VS-L059058 | 1030937-27-9 |
| 13998 | 4'-Methyl-4-cyanobiphenyl                 | VS-L059059 | 50670-50-3   |
| 13999 | Loteprednol Etabonate                     | VS-L060001 | 82034-46-6   |
| 14000 | 11-Keto Loteprednol Etabonate             | VS-L060002 | 207670-54-0  |
| 14001 | Loteprednol Dimer                         | VS-L060003 | N/A          |
| 14002 | 1,2-Dihydro Loteprednol Etabonate         | VS-L060004 | 82034-20-6   |
| 14003 | Loteprednol Etabonate Ethyl Ester         | VS-L060005 | 182069-19-8  |
| 14004 | 1,2-Dihydro Diethyl Loteprednol Carbonate | VS-L060006 | 82048-81-5   |
| 14005 | Loteprednol Etabonate Iodomethyl Ester    | VS-L060007 | N/A          |
| 14006 | 17-Methoxycarbonyl Loteprednol            | VS-L060008 | 265651-89-6  |
| 14007 | Loteprednol Impurity 1                    | VS-L060009 | N/A          |
| 14008 | Loteprednol Impurity 2                    | VS-L060010 | 2205-88-1    |
| 14009 | Loteprednol Impurity 3                    | VS-L060011 | 207670-55-1  |
| 14010 | Loteprednol Impurity 4                    | VS-L060012 | N/A          |

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| 14011 | Loteprednol Impurity 5                                   | VS-L060013 | N/A          |
| 14012 | Loteprednol Impurity 6                                   | VS-L060014 | N/A          |
| 14013 | Loteprednol Impurity 7                                   | VS-L060015 | 182068-96-8  |
| 14014 | Loteprednol Impurity 8                                   | VS-L060016 | 133991-62-5  |
| 14015 | Loteprednol Impurity 9                                   | VS-L060017 | N/A          |
| 14016 | Loteprednol Impurity 10                                  | VS-L060018 | N/A          |
| 14017 | Loteprednol                                              | VS-L060019 | 129260-79-3  |
| 14018 | Lovastatin                                               | VS-L061000 | 75330-75-5   |
| 14019 | Lovastatin EP Impurity A                                 | VS-L061001 | 73573-88-3   |
| 14020 | Lovastatin EP Impurity B                                 | VS-L061002 | 75225-51-3   |
| 14021 | Lovastatin EP Impurity C                                 | VS-L061003 | 109273-98-5  |
| 14022 | Lovastatin EP Impurity D                                 | VS-L061004 | N/A          |
| 14023 | Lovastatin EP Impurity E                                 | VS-L061005 | 77517-29-4   |
| 14024 | Lovastatin EP Impurity F                                 | VS-L061006 | 1048973-04-1 |
| 14025 | Lovastatin Hydroxy Acid Allyl Ester                      | VS-L061007 | N/A          |
| 14026 | Lovastatin Hydroxy Acid 3,5-Acetonide Allyl Ester        | VS-L061008 | N/A          |
| 14027 | Lovastatin Hydroxy Acid 3,5-Acetonide                    | VS-L061009 | N/A          |
| 14028 | Lovastatin 3,5-Acetonide Lovastatin Ester                | VS-L061010 | N/A          |
| 14029 | Lovastatin Diol Lactone 4-tert-Butyldimethylsilyl Ether  | VS-L061011 | 79902-31-1   |
| 14030 | 4-O-tert-Butyldimethylsilyl Epi Lovastatin               | VS-L061012 | 82978-03-8   |
| 14031 | Cis-2,3-Dehydro Lovastatin Acid Sodium Salt              | VS-L061013 | 1649450-58-7 |
| 14032 | Des(2-methylbutyryl) Lovastatin Hydroxy Acid Sodium Salt | VS-L061014 | 132294-94-1  |
| 14033 | Epi Lovastatin                                           | VS-L061015 | 79952-44-6   |
| 14034 | Epi Lovastatin Hydroxy Acid Sodium Salt                  | VS-L061016 | 101400-30-0  |
| 14035 | 6'-Exomethylene Lovastatin                               | VS-L061017 | 121624-17-7  |
| 14036 | Lovastatin Lactone Diol                                  | VS-L061018 | 79952-42-4   |
| 14037 | (S,S)-3-Hydroxy Lovastatin                               | VS-L061019 | 127910-58-1  |
| 14038 | 6'-Hydroxymethyl Lovastatin Sodium Salt                  | VS-L061020 | N/A          |
| 14039 | Keto Lovastatin                                          | VS-L061021 | N/A          |
| 14040 | Lovastatin Hydroxy Impurity                              | VS-L061022 | N/A          |
| 14041 | Lovastatin Keto Impurity                                 | VS-L061023 | N/A          |
| 14042 | Lovastatin Impurity 1                                    | VS-L061024 | 77934-80-6   |
| 14043 | Lovastatin Impurity 2                                    | VS-L061025 | N/A          |
| 14044 | Lovastatin EP Impurity B Sodium Salt                     | VS-L061026 | 75225-50-2   |
| 14045 | Loxoprofen                                               | VS-L062000 | 68767-14-6   |
| 14046 | Loxoprofen Sodium                                        | VS-L062001 | 80382-23-6   |
| 14047 | Ethoxy Carbonyl Methyl Ester Impurity                    | VS-L062002 | 1152440-23-7 |
| 14048 | Loxoprofen Sodium Dihydrate                              | VS-L062003 | 226721-96-6  |
| 14049 | DL-2-Phenylpropionic Acid                                | VS-L062004 | 492-37-5     |
| 14050 | Loxoprofen Impurity A                                    | VS-L062005 | 1091621-61-2 |
| 14051 | Loxoprofen Impurity B                                    | VS-L062006 | N/A          |
| 14052 | Loxoprofen Impurity D                                    | VS-L062007 | 1091621-62-3 |
| 14053 | Loxoprofen Impurity 1                                    | VS-L062008 | 111128-12-2  |
| 14054 | Loxoprofen Impurity 2                                    | VS-L062009 | 88416-60-8   |
| 14055 | Loxoprofen Impurity 3                                    | VS-L062010 | N/A          |
| 14056 | Loxoprofen Impurity 4                                    | VS-L062011 | N/A          |
| 14057 | Loxoprofen Impurity 5                                    | VS-L062012 | 43153-07-7   |

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| 14058 | Loxoprofen Impurity 6                                     | VS-L062013 | 67381-50-4   |
| 14059 | Loxoprofen Impurity 7                                     | VS-L062014 | 83599-40-0   |
| 14060 | Loxoprofen Impurity 8                                     | VS-L062015 | 96824-28-1   |
| 14061 | Loxoprofen Impurity 9                                     | VS-L062016 | 80530-55-8   |
| 14062 | Loxoprofen Impurity 10                                    | VS-L062017 | 1390659-29-6 |
| 14063 | Loxoprofen Impurity 11                                    | VS-L062018 | 10472-24-9   |
| 14064 | Loxoprofen Impurity 12                                    | VS-L062019 | 2514697-36-8 |
| 14065 | Loxoprofen Impurity 13                                    | VS-L062020 | 99807-54-2   |
| 14066 | Loxoprofen Impurity 14                                    | VS-L062021 | 308279-38-1  |
| 14067 | Loxoprofen Impurity 15                                    | VS-L062022 | 81762-92-7   |
| 14068 | Loxoprofen Impurity 16                                    | VS-L062023 | N/A          |
| 14069 | Lubiprostone                                              | VS-L063000 | 136790-76-6  |
| 14070 | Lubiprostone Impurity II                                  | VS-L063001 | N/A          |
| 14071 | Lubiprostone Impurity IV                                  | VS-L063002 | 2196182-47-3 |
| 14072 | Lubiprostone Impurity VI                                  | VS-L063003 | N/A          |
| 14073 | Lubiprostone Impurity VII                                 | VS-L063004 | N/A          |
| 14074 | 15-Hydroxy Lubiprostone                                   | VS-L063005 | 475992-30-4  |
| 14075 | Lufenuron                                                 | VS-L064000 | 103055-07-8  |
| 14076 | Lufenuron EP Impurity A                                   | VS-L064001 | 18063-03-1   |
| 14077 | Lufenuron EP Impurity B                                   | VS-L064002 | N/A          |
| 14078 | Lufenuron EP Impurity C                                   | VS-L064003 | N/A          |
| 14079 | Lufenuron EP Impurity D                                   | VS-L064004 | N/A          |
| 14080 | Lufenuron EP Impurity E                                   | VS-L064005 | 103015-79-8  |
| 14081 | Lufenuron EP Impurity F                                   | VS-L064006 | 103015-81-2  |
| 14082 | Lufenuron EP Impurity G                                   | VS-L064007 | N/A          |
| 14083 | Lufenuron EP Impurity H                                   | VS-L064008 | N/A          |
| 14084 | Luliconazole                                              | VS-L065000 | 187164-19-8  |
| 14085 | (S)-2-Chloro-1-(2,4-dichlorophenyl)ethyl methanesulfonate | VS-L065001 | 229334-55-8  |
| 14086 | Luliconazole-Z-Isomer                                     | VS-L065002 | 1240249-76-6 |
| 14087 | (S)-Luliconazole-Z-Isomer                                 | VS-L065003 | N/A          |
| 14088 | (S)-Luliconazole-E-Isomer                                 | VS-L065004 | 256424-63-2  |
| 14089 | (E)-2'-Deschloro Luliconazole                             | VS-L065005 | 187164-18-7  |
| 14090 | Luliconazole Isomer-1                                     | VS-L065006 | N/A          |
| 14091 | Luliconazole Isomer-2                                     | VS-L065007 | 1217520-64-3 |
| 14092 | Luliconazole Isomer-3                                     | VS-L065008 | N/A          |
| 14093 | Luliconazole Impurity 1                                   | VS-L065009 | 1579886-24-0 |
| 14094 | Lumateperone                                              | VS-L066000 | 313368-91-1  |
| 14095 | Lumateperone metabolite M131                              | VS-L066001 | 1469343-42-7 |
| 14096 | Lumefantrine                                              | VS-L067000 | 82186-77-4   |
| 14097 | Lumefantrine Impurity A                                   | VS-L067001 | 1331642-68-2 |
| 14098 | Lumefantrine Impurity B                                   | VS-L067002 | 1795129-61-1 |
| 14099 | Lumefantrine Impurity C                                   | VS-L067003 | 1795128-25-4 |
| 14100 | Mixture of Lumefantrine Impurity B And Impurity C         | VS-L067004 | N/A          |
| 14101 | 2,7-Dichlorofluorene                                      | VS-L067005 | 7012-16-0    |
| 14102 | Lumefantrine Epoxy Derivative Impurity                    | VS-L067006 | 252990-29-7  |
| 14103 | Lumefantrine DCF- Derivative                              | VS-L067007 | 4364-35-6    |
| 14104 | Desbutyl Lumefantrine Impurity                            | VS-L067008 | 355841-11-1  |

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| 14105 | Lumefantrine Keto Impurity                               | VS-L067009 | 53221-25-3    |
| 14106 | Lumefantrine DBA Impurity                                | VS-L067010 | 53221-07-1    |
| 14107 | 5-Oxiranyl-2,7-Dichlorofluorene                          | VS-L067011 | 53221-14-0    |
| 14108 | Lumefantrine E-isomer                                    | VS-L067012 | 1456736-33-6  |
| 14109 | Lumifantrine Impurity 1                                  | VS-L067013 | N/A           |
| 14110 | Lumifantrine Impurity 2                                  | VS-L067014 | N/A           |
| 14111 | Lumifantrine Impurity 3                                  | VS-L067015 | N/A           |
| 14112 | Lumifantrine Impurity 4                                  | VS-L067016 | N/A           |
| 14113 | N-Nitroso N-Desbutyl Lumefantrine                        | VS-L067017 | N/A           |
| 14114 | Lupeol                                                   | VS-L068000 | 545-47-1      |
| 14115 | Lurasidone                                               | VS-L069000 | 367514-87-2   |
| 14116 | Endo-2,3-Norbornanedicarboximide                         | VS-L069001 | 28871-95-6    |
| 14117 | Lurasidone LH1 Impurity                                  | VS-L069002 | 14805-29-9    |
| 14118 | (1S,2S)-1,2-Cyclohexanedimethanol                        | VS-L069003 | 3205-34-3     |
| 14119 | Cis-1,2-Cyclohexanedimethanol                            | VS-L069004 | 15753-50-1    |
| 14120 | trans-Cyclohex-4-ene-1,2-diyl dimethanol                 | VS-L069005 | 13149-04-7    |
| 14121 | 3-Chloro-1,2-benzisothiazole                             | VS-L069006 | 7716-66-7     |
| 14122 | (1R,2R)-1,2-cyclohexanedimethanol                        | VS-L069007 | 65376-05-8    |
| 14123 | (1R,2R)-1, 2-bis (methane sulfonyloxy methyl)Cyclohexane | VS-L069008 | 186204-35-3   |
| 14124 | Endo Lurasidone Hydrochloride                            | VS-L069009 | 1318074-25-7  |
| 14125 | Cis Lurasidone                                           | VS-L069010 | 139563-25-0   |
| 14126 | Exodiene Lurasidone                                      | VS-L069011 | 367514-88-3   |
| 14127 | Exodiene KSM-III impurity                                | VS-L069012 | 06-08-19 0:00 |
| 14128 | 1S, 2S Enantiomer of Lurasidone                          | VS-L069013 | N/A           |
| 14129 | Cis-1,2-cyclohexanedicarboxylic acid                     | VS-L069014 | 610-09-3      |
| 14130 | Exodiene Lurasidone                                      | VS-L069015 | N/A           |
| 14131 | Lurasidone LH6 Impurity                                  | VS-L069016 | 1574569-32-6  |
| 14132 | Lurasidone Enantiomer                                    | VS-L069017 | 1448443-35-3  |
| 14133 | Transdiene Lurasidone                                    | VS-L069018 | N/A           |
| 14134 | Exo-Norbornane-2,3-dicarboxylic Anhydride                | VS-L069019 | 14166-28-0    |
| 14135 | (1S,2R)-1,2-cyclohexanedimethanol                        | VS-L069020 | N/A           |
| 14136 | Lurasidone LUB Impurity                                  | VS-L069021 | 1379325-30-0  |
| 14137 | Lurasidone 2-Epimer                                      | VS-L069022 | 1318074-18-8  |
| 14138 | Lurasidone Enantiomer                                    | VS-L069023 | 139505-45-6   |
| 14139 | Lurasidone LH3 Impurity                                  | VS-L069024 | 1809325-45-8  |
| 14140 | Lurasidone Impurity A                                    | VS-L069025 | 223586-82-1   |
| 14141 | Lurasidone Hydrochloride Impurity C                      | VS-L069026 | 1318074-27-9  |
| 14142 | Lurasidone Impurity H                                    | VS-L069027 | N/A           |
| 14143 | Lurasidone Impurity I                                    | VS-L069028 | N/A           |
| 14144 | Lurasidone Impurity J                                    | VS-L069029 | N/A           |
| 14145 | Lurasidone Impurity K                                    | VS-L069030 | N/A           |
| 14146 | Lurasidone Impurity L                                    | VS-L069031 | N/A           |
| 14147 | Lurasidone Impurity-P-DP5                                | VS-L069032 | 1644295-09-9  |
| 14148 | Lurasidone LH2 Impurity                                  | VS-L069033 | 186204-37-5   |
| 14149 | Lurasidone Impurity 2                                    | VS-L069034 | 316363-65-2   |
| 14150 | Lurasidone Impurity 3                                    | VS-L069035 | 2518442-98-1  |
| 14151 | Lurasidone Impurity 4                                    | VS-L069036 | 1260138-03-1  |

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| 14152 | Lurasidone Impurity 5     | VS-L069037 | N/A          |
| 14153 | Lurasidone Impurity 6     | VS-L069038 | N/A          |
| 14154 | Lurasidone Impurity 7     | VS-L069039 | 1807983-63-6 |
| 14155 | Lurasidone Impurity 8     | VS-L069040 | N/A          |
| 14156 | Lurasidone Impurity 9     | VS-L069041 | 1807607-99-3 |
| 14157 | Lurasidone Impurity 10    | VS-L069042 | N/A          |
| 14158 | Lurasidone Impurity 11    | VS-L069043 | N/A          |
| 14159 | Lurasidone Impurity 12    | VS-L069044 | 2819-48-9    |
| 14160 | Lurasidone Impurity 13    | VS-L069045 | 4430-91-5    |
| 14161 | Lurasidone Impurity 14    | VS-L069046 | 61169-66-2   |
| 14162 | Lurasidone Impurity 15    | VS-L069047 | 10479-74-0   |
| 14163 | Lurasidone Impurity 16    | VS-L069048 | N/A          |
| 14164 | Lurasidone Impurity 17    | VS-L069049 | 1072-95-3    |
| 14165 | Lurasidone Impurity 18    | VS-L069050 | 14100-97-1   |
| 14166 | Lurasidone Impurity 19    | VS-L069051 | N/A          |
| 14167 | Lurasidone Impurity 20    | VS-L069052 | N/A          |
| 14168 | Lurasidone Impurity 21    | VS-L069053 | 188797-79-7  |
| 14169 | Lurasidone Impurity 22    | VS-L069054 | 1807983-61-4 |
| 14170 | Lurasidone Impurity 23    | VS-L069055 | 2190680-18-1 |
| 14171 | Lurasidone Impurity 28    | VS-L069056 | N/A          |
| 14172 | Lurasidone Impurity 30    | VS-L069057 | N/A          |
| 14173 | Lurasidone Impurity 31    | VS-L069058 | N/A          |
| 14174 | Lurasidone Impurity 35    | VS-L069059 | 55745-83-0   |
| 14175 | Lurasidone Impurity 37    | VS-L069060 | N/A          |
| 14176 | Lurasidone Impurity 38    | VS-L069061 | 173658-50-9  |
| 14177 | Lurasidone Impurity 39    | VS-L069062 | 66347-68-0   |
| 14178 | Lurasidone Impurity 40    | VS-L069063 | N/A          |
| 14179 | Lurasidone Impurity 41    | VS-L069064 | 1318074-19-9 |
| 14180 | Lurasidone Impurity 42    | VS-L069065 | 1318074-20-2 |
| 14181 | Lurasidone Impurity 43    | VS-L069066 | N/A          |
| 14182 | Lurasidone Impurity 44    | VS-L069067 | 1797129-89-5 |
| 14183 | Lurasidone Impurity 45    | VS-L069068 | 1365987-23-0 |
| 14184 | Lurasidone Impurity 46    | VS-L069069 | 15573-40-7   |
| 14185 | Lurasidone Impurity 47    | VS-L069070 | 46022-05-3   |
| 14186 | Lurasidone Impurity 48    | VS-L069071 | N/A          |
| 14187 | Lurasidone Impurity 49    | VS-L069072 | N/A          |
| 14188 | Lurasidone Impurity 50    | VS-L069073 | 194861-74-0  |
| 14189 | Lurasidone Impurity 51    | VS-L069074 | N/A          |
| 14190 | Lurasidone Impurity 52    | VS-L069075 | N/A          |
| 14191 | Lurasidone Impurity 53    | VS-L069076 | 1318074-24-6 |
| 14192 | Lurasidone Imine Impurity | VS-L069077 | NA           |
| 14193 | Lurasidone LH5 Impurity   | VS-L069078 | NA           |
| 14194 | Lurasidone Impurity 54    | VS-L069079 | 4743-54-8    |
| 14195 | Lurasidone LH5 Impurity   | VS-L069080 | NA           |
| 14196 | Lurasidone Impurity 55    | VS-L069081 | NA           |
| 14197 | Lurasidone Impurity 56    | VS-L069082 | 3971-29-7    |
| 14198 | Lusutrombopag             | VS-L070000 | 1110766-97-6 |



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| 14199 | Luteolin                              | VS-L071000 | 491-70-3     |
| 14200 | Luteolin-7-O-beta-glucuronide         | VS-L071001 | 29741-10-4   |
| 14201 | Luteolin 7-O-Glucoside                | VS-L071002 | 05-11-73     |
| 14202 | Luteolin 6-C-Glucoside (Homoorientin) | VS-L071003 | 4261-42-1    |
| 14203 | Luteolin 7-O-Rutinoside (Scolymoside) | VS-L071004 | 20633-84-5   |
| 14204 | Lycopsamine                           | VS-L072000 | 10285-07-1   |
| 14205 | Lycopsamine N-Oxide                   | VS-L072001 | 95462-15-0   |
| 14206 | Lymecycline                           | VS-L073000 | 992-21-2     |
| 14207 | Lymecycline EP Impurity A             | VS-L073001 | 23313-80-6   |
| 14208 | Lymecycline EP Impurity C             | VS-L073002 | 1665-56-1    |
| 14209 | Lymecycline EP Impurity D             | VS-L073003 | 7518-17-4    |
| 14210 | Lymecycline EP Impurity G             | VS-L073004 | 57-62-5      |
| 14211 | Lymecycline EP Impurity H             | VS-L073005 | 60-54-8      |
| 14212 | Lynestrenol                           | VS-L074000 | 52-76-6      |
| 14213 | Lynestrenol EP Impurity A             | VS-L074001 | N/A          |
| 14214 | Lynestrenol EP Impurity B             | VS-L074002 | 58311-09-4   |
| 14215 | Lynestrenol EP Impurity C             | VS-L074003 | 5225-38-7    |
| 14216 | Lysine Hydrochloride                  | VS-L075001 | 657-27-2     |
| 14217 | Lysine EP Impurity A                  | VS-L075002 | 61-90-5      |
| 14218 | Lysine EP Impurity B                  | VS-L075003 | 63-91-2      |
| 14219 | Lysine EP Impurity C                  | VS-L075004 | 72-19-5      |
| 14220 | Levomilnacipran                       | VS-L076000 | 96847-55-1   |
| 14221 | Levomilnacipran Impurity 1            | VS-L076001 | 1237261-65-2 |
| 14222 | Lorazepam                             | VS-L077000 | 846-49-1     |
| 14223 | Lorazepam EP Impurity A               | VS-L077001 | 2958-36-3    |
| 14224 | Lorazepam EP Impurity B               | VS-L077002 | 2848-96-6    |
| 14225 | Lorazepam EP Impurity C               | VS-L077003 | N/A          |
| 14226 | Lorazepam D4                          | VS-L077004 | 84344-15-0   |
| 14227 | Litoxetine                            | VS-L078000 | 86811-09-8   |
| 14228 | Lysergol                              | VS-L079000 | 602-85-7     |
| 14229 | Lipoic acid                           | VS-L080000 | 1200-22-2    |
| 14230 | Lactobionic Acid                      | VS-L081000 | 96-82-2      |
| 14231 | Lactofen                              | VS-L082000 | 77501-63-4   |
| 14232 | Lactoferrin                           | VS-L083000 | 146897-68-9  |
| 14233 | Leminoprazole                         | VS-L084000 | 104340-86-5  |
| 14234 | Lenacapavir                           | VS-L085000 | 2189684-44-2 |
| 14235 | Lesinurad                             | VS-L086000 | 878672-00-5  |
| 14236 | Lesinurad Desbromo Acid Impurity      | VS-L086001 | 1533519-93-5 |
| 14237 | Lesinurad Triazole Amide Impurity     | VS-L086002 | NA           |
| 14238 | Lesinurad Bromothiol Impurity         | VS-L086003 | 1158970-76-3 |
| 14239 | Lesinurad Chloro Impurity             | VS-L086004 | 1533519-98-0 |
| 14240 | Lesinurad Ethyl Lesinurad Impurity    | VS-L086005 | 1158970-51-4 |
| 14241 | Lesinurad Ethyl Ester Impurity        | VS-L086006 | 1158970-52-5 |
| 14242 | Leucine                               | VS-L087000 | 61-90-5      |
| 14243 | Leucine EP Impurity A                 | VS-L087001 | 73-32-5      |
| 14244 | Leucine EP Impurity B                 | VS-L087002 | 63-68-3      |
| 14245 | Leucine EP Impurity C                 | VS-L087003 | 63-91-2      |

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| 14246 | Leucine EP Impurity D                      | VS-L087004 | 31872-98-7   |
| 14247 | Leucine EP Impurity E                      | VS-L087005 | 53940-83-3   |
| 14248 | Leucine Impurity 1                         | VS-L087006 | 35737-10-1   |
| 14249 | Leucine Impurity 2                         | VS-L087007 | 35661-39-3   |
| 14250 | N-Fmoc-D-leucine                           | VS-L087008 | 114360-54-2  |
| 14251 | Leucine Impurity 4                         | VS-L087009 | 101555-62-8  |
| 14252 | Leucine Impurity 5                         | VS-L087010 | 128107-47-1  |
| 14253 | L-tert-Leucine                             | VS-L087011 | 20859-02-3   |
| 14254 | Leucine Impurity 6                         | VS-L087012 | 22146-59-4   |
| 14255 | Leucine Impurity 7                         | VS-L087013 | 146346-88-5  |
| 14256 | Leucine Impurity 8                         | VS-L087014 | 117402-82-1  |
| 14257 | Leucine Impurity 9                         | VS-L087015 | 71953-00-9   |
| 14258 | Leucine Impurity 10                        | VS-L087016 | 1185984-34-2 |
| 14259 | leucine Enkephalin                         | VS-L087017 | 58822-25-6   |
| 14260 | N-Nitroso Leucine Impurity                 | VS-L087018 | 78814-91-2   |
| 14261 | Levocloperastine Fendisoate                | VS-L088000 | 85187-37-7   |
| 14262 | Levorphanol Tartrate Dihydrate             | VS-L089000 | 5985-38-6    |
| 14263 | Limaprost                                  | VS-L090000 | 74397-12-9   |
| 14264 | 8-Iso Limaprost                            | VS-L090001 | NA           |
| 14265 | Lisdexamfetamine Dimesylate                | VS-L091000 | 608137-33-3  |
| 14266 | Bis(tert-Butoxycarbonyl) Lisdexamphetamine | VS-L091001 | 819871-13-1  |
| 14267 | Lisdexamfetamine Impurity 1                | VS-L091002 | 2415710-17-5 |
| 14268 | D-Lisdexamfetamine Dihydrochloride         | VS-L091003 | NA           |
| 14269 | Lisdexamfetamine Impurity 3                | VS-L091004 | NA           |
| 14270 | Lisdexamfetamine Impurity 4                | VS-L091005 | NA           |
| 14271 | Lisdexamfetamine Urea Impurity             | VS-L091006 | 4106-13-2    |
| 14272 | Lisdexamfetamine Carbamate Impurity        | VS-L091007 | NA           |
| 14273 | Lisdexamfetamine Tetramino Analog          | VS-L091008 | 2243794-25-2 |
| 14274 | Lofepramine                                | VS-L092000 | 23047-25-8   |
| 14275 | Lofepramine Impurity 1                     | VS-L092001 | NA           |
| 14276 | Lonafarnib                                 | VS-L093000 | 193275-84-2  |
| 14277 | Loprazolam N-Oxide                         | VS-L094000 | 86329-07-9   |
| 14278 | Loprazolam Impurity 1                      | VS-L094001 | 1622-61-3    |
| 14279 | Loprazolam Impurity 2                      | VS-L094002 | 35628-48-9   |
| 14280 | Loxapine Succinate                         | VS-L095000 | 27833-64-3   |
| 14281 | Loxapine USP Related Compound A            | VS-L095001 | 3454-96-4    |
| 14282 | Loxapine N-Oxide                           | VS-L095002 | 25967-34-4   |
| 14283 | Lypressin                                  | VS-L096000 | 50-57-7      |
| 14284 | Liraglutide                                | VS-L097000 | 204656-20-2  |
| 14285 | Lomustine Related Compound A               | VS-L098000 | 2214-72-4    |
| 14286 | Lomustine Related Compound B               | VS-L098001 | 13908-11-7   |
| 14287 | Lomustine Related Compound C               | VS-L098002 | 2387-23-7    |
| 14288 | Lomustine Related Compound D               | VS-L098003 | 54749-91-6   |
| 14289 | leniolisib                                 | VS-L099000 | 1354690-24-6 |
| 14290 | leniolisib R-Isomer                        | VS-L099001 | NA           |
| 14291 | leniolisib Impurity 1                      | VS-L099002 | NA           |
| 14292 | leniolisib Impurity 2                      | VS-L099003 | NA           |

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| 14293 | leniolisib Impurity 3               | VS-L099004 | NA           |
| 14294 | leniolisib Impurity 4               | VS-L099005 | 1354691-72-7 |
| 14295 | leniolisib Impurity 5               | VS-L099006 | 1214377-42-0 |
| 14296 | leniolisib Impurity 6               | VS-L099007 | 914612-23-0  |
| 14297 | Lactose                             | VS-L101000 | 63-42-3      |
| 14298 | Adenine-2- D1                       | VS-L102000 | 109923-52-6  |
| 14299 | Adenosine-2 D1                      | VS-L102001 | 109923-50-4  |
| 14300 | Cytidine-5,6 D2                     | VS-L102002 | 40632-25-5   |
| 14301 | Cytosine-5,6 D2                     | VS-L102003 | 106391-24-6  |
| 14302 | 2'-Deoxyuridine-13C,15N2            | VS-L102004 | 369656-76-8  |
| 14303 | 2'-Deoxyuridine-5,6 D2              | VS-L102005 | 40632-23-3   |
| 14304 | 5,6-Dihydro Thymine-d6              | VS-L102006 | 334473-42-6  |
| 14305 | 5,6-Dihydrouracil-5,5,6,6-d4        | VS-L102007 | 334473-41-5  |
| 14306 | 2'-Fluoro-2'-deoxyuridine-5,6-d2    | VS-L102008 | 362049-50-1  |
| 14307 | 5-Methyl-d3-cytosine-6-d1           | VS-L102009 | 1219795-15-9 |
| 14308 | 5-Methyl Uridine-d4                 | VS-L102010 | 82845-85-0   |
| 14309 | Thymidine-alpha,alpha,alpha,6D4     | VS-L102011 | 347841-67-2  |
| 14310 | Thymine-alpha,alpha,alpha,6 D4      | VS-L102012 | 156054-85-2  |
| 14311 | Uracil-5-d1                         | VS-L102013 | 24897-50-5   |
| 14312 | Uracil-6-d1                         | VS-L102014 | 24897-51-6   |
| 14313 | Uracil-1,3-d2                       | VS-L102015 | 20666-60-8   |
| 14314 | Uracil-5,6-d2                       | VS-L102016 | 24897-52-7   |
| 14315 | Uracil D4                           | VS-L102017 | 24897-55-0   |
| 14316 | Uridine-2-13C                       | VS-L102018 | 35803-42-0   |
| 14317 | Uridine-5,6 D2                      | VS-L102019 | 40632-21-1   |
| 14318 | Macimorelin Acetate                 | VS-M001000 | 381231-18-1  |
| 14319 | Macitentan                          | VS-M002000 | 441798-33-0  |
| 14320 | N-Despropyl Macitentan              | VS-M002001 | 1103522-45-7 |
| 14321 | Macitentan Dimer Impurity           | VS-M002002 | 2089065-77-8 |
| 14322 | Ethylene hydroxy Impurity           | VS-M002003 | 1393813-43-8 |
| 14323 | Pyrimidine Amine Impurity           | VS-M002004 | 1393813-42-7 |
| 14324 | Hydroxy N-Propyl Impurity           | VS-M002005 | N/A          |
| 14325 | Pyrimidine N-Propyl Impurity        | VS-M002006 | N/A          |
| 14326 | Macitentan Stage-I Hydroxy Impurity | VS-M002007 | 2365406-85-3 |
| 14327 | Macitentan KSM-I Impurity           | VS-M002008 | 146533-41-7  |
| 14328 | Macitentan KSM-III Impurity         | VS-M002009 | 32779-36-5   |
| 14329 | Despropylaminosulfonyl Macitentan   | VS-M002010 | 1433875-21-8 |
| 14330 | Macitentan 4-Chloro Analog          | VS-M002011 | 441798-36-3  |
| 14331 | Macitentan Impurity 1               | VS-M002012 | 1433875-21-8 |
| 14332 | Macitentan Impurity 2               | VS-M002013 | 2211054-90-7 |
| 14333 | Macitentan Impurity 3               | VS-M002014 | 2443747-63-3 |
| 14334 | Macitentan Impurity 5               | VS-M002015 | 441798-25-0  |
| 14335 | Macitentan Impurity 6               | VS-M002016 | 441796-13-0  |
| 14336 | Macitentan Impurity 7               | VS-M002017 | 1433875-14-9 |
| 14337 | Macitentan Impurity 8               | VS-M002018 | 556796-88-4  |
| 14338 | Macitentan Impurity 9               | VS-M002019 | 2518002-08-7 |
| 14339 | Macitentan Impurity 10              | VS-M002020 | N/A          |

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| 14340 | Macitentan Impurity 11                  | VS-M002021 | 2108101-97-7 |
| 14341 | Macitentan Impurity 12                  | VS-M002022 | 1642873-04-8 |
| 14342 | Macitentan Impurity 13                  | VS-M002023 | 3974-18-3    |
| 14343 | Macitentan Impurity 14                  | VS-M002024 | 2211059-05-9 |
| 14344 | Macitentan Impurity 15                  | VS-M002025 | 2211059-00-4 |
| 14345 | Macitentan Impurity 16                  | VS-M002026 | 2211054-17-8 |
| 14346 | Macitentan Impurity 17                  | VS-M002027 | 2211054-46-3 |
| 14347 | Macitentan Impurity 18                  | VS-M002028 | N/A          |
| 14348 | Macitentan Impurity 19                  | VS-M002029 | N/A          |
| 14349 | Macitentan Impurity 20                  | VS-M002030 | N/A          |
| 14350 | Macitentan Impurity 21                  | VS-M002031 | 441797-83-7  |
| 14351 | Macitentan Impurity 22                  | VS-M002032 | N/A          |
| 14352 | 5-Bromo-2-Hydroxypyrimidine             | VS-M002033 | 38353-06-9   |
| 14353 | Manidipine Hydrochloride                | VS-M003001 | 164220-30-8  |
| 14354 | Manidipine Impurity A                   | VS-M003002 | 216581-11-2  |
| 14355 | Manidipine Impurity B                   | VS-M003003 | 89226-51-7   |
| 14356 | Dehydro Manidipine                      | VS-M003004 | 104305-93-3  |
| 14357 | Manidipine Bis Analog                   | VS-M003005 | 2227064-46-0 |
| 14358 | Manidipine Benzylidene                  | VS-M003006 | 119128-13-1  |
| 14359 | Manidipine Crotonate DiHCl              | VS-M003007 | N/A          |
| 14360 | Manidipine Isopropyl Ester              | VS-M003008 | N/A          |
| 14361 | N-Butyl benzoate                        | VS-M003009 | 136-60-7     |
| 14362 | Manidipine Impurity 1                   | VS-M003010 | 10527-64-7   |
| 14363 | Manidipine Impurity II                  | VS-M003011 | 90-99-3      |
| 14364 | Manidipine Impurity IV                  | VS-M003012 | 107-07-3     |
| 14365 | Manidipine Impurity VI                  | VS-M003013 | 674-82-8     |
| 14366 | Manidipine Impurity VII                 | VS-M003014 | 89226-49-3   |
| 14367 | Manidipine Impurity X                   | VS-M003015 | 133082-19-6  |
| 14368 | Manidipine                              | VS-M003016 | 89226-50-6   |
| 14369 | Maprotiline Hydrochloride               | VS-M004000 | 10347-81-6   |
| 14370 | Maprotiline Hydrochloride EP Impurity A | VS-M004001 | 38849-09-1   |
| 14371 | Maprotiline Hydrochloride EP Impurity B | VS-M004002 | 1648814-39-4 |
| 14372 | Maprotiline Hydrochloride EP Impurity C | VS-M004003 | 5721-37-9    |
| 14373 | Maprotiline Hydrochloride EP Impurity D | VS-M004004 | 38982-14-8   |
| 14374 | Maprotiline Hydrochloride EP Impurity E | VS-M004005 | 23941-38-0   |
| 14375 | Isovaleraldehyde                        | VS-M004006 | 590-86-3     |
| 14376 | Maraviroc                               | VS-M005000 | 376348-65-1  |
| 14377 | Maraviroc 4-Desfluoro 4-Chloro Impurity | VS-M005001 | 1391048-05-7 |
| 14378 | Maraviroc Impurity 1                    | VS-M005002 | N/A          |
| 14379 | Maraviroc Impurity 2                    | VS-M005003 | 423165-07-5  |
| 14380 | Maraviroc Impurity 3                    | VS-M005004 | 376348-78-6  |
| 14381 | Maraviroc Impurity 4                    | VS-M005005 | 376348-77-5  |
| 14382 | Maraviroc Impurity 5                    | VS-M005006 | 948592-18-5  |
| 14383 | Maraviroc Impurity 6                    | VS-M005007 | N/A          |
| 14384 | Maraviroc Impurity 7                    | VS-M005008 | N/A          |
| 14385 | Maraviroc Impurity 8                    | VS-M005009 | 948592-19-6  |
| 14386 | Marbofloxacin                           | VS-M006000 | 115550-35-1  |

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| 14387 | Marbofloxacin EP Impurity A          | VS-M006001  | 115551-40-1  |
| 14388 | Marbofloxacin EP Impurity B          | VS-M006002  | 115551-41-2  |
| 14389 | Marbofloxacin EP Impurity C          | VS-M006003  | 100276-37-7  |
| 14390 | Marbofloxacin EP Impurity D          | VS-M006004  | 117380-92-4  |
| 14391 | Marbofloxacin EP Impurity E          | VS-M006005  | N/A          |
| 14392 | Marbofloxacin EP Impurity F          | VS-M006006  | 194023-72-8  |
| 14393 | Maropitant Citrate                   | VS-M007001  | 862543-54-2  |
| 14394 | Maropitant MRP 6 Impurity            | VS-M007002  | 142035-23-2  |
| 14395 | Maropitant MRP Diastereomer Impurity | VS-M007003  | N/A          |
| 14396 | Maropitant MRP 7 Enantiomer Impurity | VS-M007004  | N/A          |
| 14397 | Mebendazole                          | VS-M008000  | 31431-39-7   |
| 14398 | Mebendazole EP Impurity A            | VS-M008001  | 52329-60-9   |
| 14399 | Mebendazole EP Impurity B            | VS-M008002  | 21472-33-3   |
| 14400 | Mebendazole EP Impurity C            | VS-M008003  | 66066-76-0   |
| 14401 | Mebendazole EP Impurity D            | VS-M008004  | 132119-11-0  |
| 14402 | Mebendazole EP Impurity E            | VS-M008005  | 31430-19-0   |
| 14403 | Mebendazole EP Impurity F            | VS-M008006  | 31545-31-0   |
| 14404 | Mebendazole EP Impurity G            | VS-M008007  | 129165-82-8  |
| 14405 | 5-Hydroxymebendazole                 | VS-M008008  | 60254-95-7   |
| 14406 | Mebendazole Dimer Impurity           | VS-M008009  | N/A          |
| 14407 | Mebeverine HCl                       | VS-M009001  | 2753-45-9    |
| 14408 | Mebeverine EP Impurity A             | VS-M009002  | 122-84-9     |
| 14409 | Mebeverine EP Impurity B             | VS-M009003  | 14367-46-5   |
| 14410 | Mebeverine EP Impurity C             | VS-M009004  | 14367-47-6   |
| 14411 | Mebeverine EP Impurity D             | VS-M009005  | 93-07-2      |
| 14412 | Mebeverine EP Impurity E             | VS-M009006  | 69788-75-6   |
| 14413 | Mebeverine EP Impurity F             | VS-M009007  | 69788-70-1   |
| 14414 | Mebeverine EP Impurity G             | VS-M009008  | N/A          |
| 14415 | Mebeverine EP Impurity H             | VS-M009009  | N/A          |
| 14416 | Mebeverine EP Impurity I             | VS-M009010  | N/A          |
| 14417 | Mebeverine EP Impurity J             | VS-M009011  | N/A          |
| 14418 | Mebeverine EP Impurity K             | VS-M009012  | N/A          |
| 14419 | Mebeverine EP Impurity N             | VS-M009013  | N/A          |
| 14420 | Mebeverine EP Impurity O             | VS-M009014  | N/A          |
| 14421 | Dimethyl Mebeverine Acid             | VS-M009015  | 586357-02-0  |
| 14422 | O-Desmethyl Mebeverine Alcohol       | VS-M009016  | 155172-67-1  |
| 14423 | Mebeverine                           | VS-M009017  | 07-06-25     |
| 14424 | Mebeverine Impurity 1                | VS-M009018  | 1260668-38-9 |
| 14425 | Maribavir                            | VS-M0100000 | 176161-24-3  |
| 14426 | Mecamylamine Hydrochloride           | VS-M010001  | 826-39-1     |
| 14427 | Mecamylamine USP Related Compound A  | VS-M010002  | 22285-82-1   |
| 14428 | Matairesinol                         | VS-M0101000 | 580-72-3     |
| 14429 | Mavacamten                           | VS-M0102000 | 1642288-47-8 |
| 14430 | Meclocycline                         | VS-M0103000 | 2013-58-3    |
| 14431 | Meclocycline Sulfosalicylate         | VS-M0103001 | 73816-42-9   |
| 14432 | Meclofenamic Acid                    | VS-M0104000 | 67254-91-5   |
| 14433 | 2-Fluorobenzoic Acid                 | VS-M0104001 | 445-29-4     |

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| 14434 | Meldonium                             | VS-M0105000 | 76144-81-5  |
| 14435 | Meldonium-D3                          | VS-M0105001 | NA          |
| 14436 | Melphalan Flufenamide                 | VS-M0106000 | 380449-51-4 |
| 14437 | Mepartricin                           | VS-M0107000 | 11121-32-7  |
| 14438 | (S)-Mephénytoin                       | VS-M0108000 | 70989-04-7  |
| 14439 | Metacresol                            | VS-M0109000 | 108-39-4    |
| 14440 | Metacresol EP Impurity A              | VS-M0109001 | 108-95-2    |
| 14441 | Metacresol EP Impurity B              | VS-M0109002 | 95-48-7     |
| 14442 | Metacresol EP Impurity C              | VS-M0109003 | 106-44-5    |
| 14443 | Metacresol EP Impurity D              | VS-M0109004 | 576-26-1    |
| 14444 | Metacresol EP Impurity E              | VS-M0109005 | 90-00-6     |
| 14445 | Metacresol EP Impurity F              | VS-M0109006 | 105-67-9    |
| 14446 | Metacresol EP Impurity G              | VS-M0109007 | 95-87-4     |
| 14447 | Metacresol EP Impurity H              | VS-M0109008 | 88-69-7     |
| 14448 | Metacresol EP Impurity I              | VS-M0109009 | 526-75-0    |
| 14449 | Metacresol EP Impurity J              | VS-M0109010 | 108-68-9    |
| 14450 | Metacresol EP Impurity K              | VS-M0109011 | 123-07-9    |
| 14451 | Metacresol EP Impurity L              | VS-M0109012 | 95-65-8     |
| 14452 | Metacresol EP Impurity M              | VS-M0109013 | 697-82-5    |
| 14453 | Metconazole                           | VS-M0110000 | 125116-23-6 |
| 14454 | Metconazole Impurity 1                | VS-M0110001 | 115851-28-0 |
| 14455 | Metconazole Impurity 2                | VS-M0110002 | 143764-90-3 |
| 14456 | Metconazole Impurity 3                | VS-M0110003 | 500011-91-6 |
| 14457 | Metconazole Impurity 4                | VS-M0110004 | 500011-92-7 |
| 14458 | Meclizine DiHCl                       | VS-M011001  | 1104-22-9   |
| 14459 | Meclizine N-Oxide (N1-Oxide) HCl      | VS-M011002  | N/A         |
| 14460 | Meclizine N-Oxide (N4-oxide)          | VS-M011003  | 114624-69-0 |
| 14461 | Meclizine N-Oxide (N, N'-dioxide)     | VS-M011004  | 114624-70-3 |
| 14462 | Meclizine USP Related Compound B      | VS-M011005  | N/A         |
| 14463 | Meclizine Impurity B                  | VS-M011006  | 119-56-2    |
| 14464 | Meclizine Impurity C                  | VS-M011007  | 134-85-0    |
| 14465 | Meclizine Ortho-Chloro Isomer         | VS-M011008  | N/A         |
| 14466 | Acetyl 4-Chloro Benzhydryl Piperazine | VS-M011009  | 802859-64-9 |
| 14467 | Meclizine O-Chloro Isomer             | VS-M011010  | 713071-37-5 |
| 14468 | Metaxylyl Bromide                     | VS-M011011  | 620-13-3    |
| 14469 | Meclizine Impurity 1 DiHCl            | VS-M011012  | 5321-65-3   |
| 14470 | Meclizine Impurity 2                  | VS-M011013  | N/A         |
| 14471 | Meclizine Impurity 3                  | VS-M011014  | N/A         |
| 14472 | Meclizine Impurity 4                  | VS-M011015  | 620-19-9    |
| 14473 | Meclizine Impurity 5                  | VS-M011016  | 587-03-1    |
| 14474 | Meclizine Impurity 6                  | VS-M011017  | 625406-13-5 |
| 14475 | Meclizine Impurity 7                  | VS-M011018  | N/A         |
| 14476 | Meclizine Impurity 8                  | VS-M011019  | N/A         |
| 14477 | Methadone Hydrochloride               | VS-M0111000 | 1095-90-5   |
| 14478 | Methadone EP Impurity A               | VS-M0111001 | 14474-54-5  |
| 14479 | Methadone EP Impurity B               | VS-M0111002 | 125-79-1    |
| 14480 | Methadone EP Impurity C               | VS-M0111003 | 02-01-93    |

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| 14481 | Methadone EP Impurity D                      | VS-M0111004 | 466-40-0     |
| 14482 | Methadone EP Impurity E                      | VS-M0111005 | 86-29-3      |
| 14483 | Methadone N-Oxide                            | VS-M0111006 | 33100-61-7   |
| 14484 | N-Desmethyl N-Nitroso Methadone              | VS-M0111007 | NA           |
| 14485 | Methisoprinol                                | VS-M0112000 | 36703-88-5   |
| 14486 | Methyl Salicylate                            | VS-M0113000 | 119-36-8     |
| 14487 | Methyl Salicylate EP Impurity B              | VS-M0113001 | 108-95-2     |
| 14488 | Methyl Salicylate EP Impurity C              | VS-M0113002 | 99-76-3      |
| 14489 | Methyl Salicylate EP Impurity D              | VS-M0113003 | 121-98-2     |
| 14490 | Methyl Salicylate EP Impurity E              | VS-M0113004 | 5985-24-0    |
| 14491 | Methyl Salicylate EP Impurity F              | VS-M0113005 | 118-61-6     |
| 14492 | Methyl Salicylate EP Impurity I              | VS-M0113006 | 23287-26-5   |
| 14493 | Methyl Salicylate EP Impurity J              | VS-M0113007 | 22717-57-3   |
| 14494 | Methyl Salicylate EP Impurity K              | VS-M0113008 | 4670-56-8    |
| 14495 | Methyl Salicylate EP Impurity L              | VS-M0113009 | 33528-09-5   |
| 14496 | Methyl Salicylate EP Impurity M              | VS-M0113010 | 79383-44-1   |
| 14497 | Methylergometrine Maleate                    | VS-M0114000 | 57432-61-8   |
| 14498 | Methylergometrine EP Impurity A              | VS-M0114001 | 82-58-6      |
| 14499 | Methylergometrine EP Impurity B              | VS-M0114002 | 478-95-5     |
| 14500 | Methylergometrine EP Impurity C              | VS-M0114003 | 478-94-4     |
| 14501 | Methylergometrine EP Impurity D              | VS-M0114004 | 60-79-7      |
| 14502 | Methylergometrine EP Impurity E              | VS-M0114005 | 2889-26-1    |
| 14503 | Methylergometrine EP Impurity F              | VS-M0114006 | 479-00-5     |
| 14504 | Methylergometrine EP Impurity G              | VS-M0114007 | 04-04-93     |
| 14505 | Methylergometrine EP Impurity H              | VS-M0114008 | 29477-88-1   |
| 14506 | Methylergometrine EP Impurity I              | VS-M0114009 | 724767-21-9  |
| 14507 | Methylergometrine Nitroso Impurity           | VS-M0114010 | NA           |
| 14508 | Methylphenobarbital EP Impurity A            | VS-M0115000 | 50-06-6      |
| 14509 | Metomidate Hydrochloride                     | VS-M0116000 | 35944-74-2   |
| 14510 | Metribuzin                                   | VS-M0117000 | 21087-64-9   |
| 14511 | Midazolam                                    | VS-M0118000 | 59467-70-8   |
| 14512 | Midazolam EP Impurity A                      | VS-M0118001 | 59468-07-4   |
| 14513 | Midazolam EP Impurity B                      | VS-M0118002 | 59469-74-8   |
| 14514 | Midazolam EP Impurity C                      | VS-M0118003 | 59468-44-9   |
| 14515 | Midazolam EP Impurity D                      | VS-M0118004 | 59468-83-6   |
| 14516 | Midazolam EP Impurity E                      | VS-M0118005 | 59467-64-0   |
| 14517 | Midazolam EP Impurity F                      | VS-M0118006 | 2886-65-9    |
| 14518 | Midazolam EP Impurity G                      | VS-M0118007 | 59467-86-6   |
| 14519 | Midazolam EP Impurity H                      | VS-M0118008 | 119401-13-7  |
| 14520 | Midazolam EP Impurity I                      | VS-M0118009 | 59467-69-5   |
| 14521 | Midazolam EP Impurity J                      | VS-M0118010 | 59469-08-8   |
| 14522 | Midazolam Nitromethylene Compound            | VS-M0118011 | 60656-76-0   |
| 14523 | 1',4-Dihydroxy Midazolam                     | VS-M0118012 | 64740-68-7   |
| 14524 | 1'-Hydroxy Midazolam                         | VS-M0118013 | 59468-90-5   |
| 14525 | 1'-Hydroxy Midazolam- $\beta$ -D-Glucuronide | VS-M0118014 | 81256-81-7   |
| 14526 | 4-Hydroxymidazolam                           | VS-M0118015 | 59468-85-8   |
| 14527 | Midazolam N Glucuronide                      | VS-M0118016 | 1033824-50-8 |

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| 14528 | Midazolam Impurity 1                                                | VS-M0118017 | 151921-06-1  |
| 14529 | Midazolam Impurity 2                                                | VS-M0118018 | NA           |
| 14530 | Midazolam Impurity 3                                                | VS-M0118019 | 84425-62-7   |
| 14531 | N-Nitroso Midazolam EP Impurity A                                   | VS-M0118020 | 59469-02-2   |
| 14532 | N-Nitroso Midazolam EP Impurity E                                   | VS-M0118021 | NA           |
| 14533 | N-Nitroso Midazolam EP Impurity J                                   | VS-M0118022 | NA           |
| 14534 | 1'-Hydroxy Midazolam-d5                                             | VS-M0118023 | 1276651-09-2 |
| 14535 | Midazolam D6                                                        | VS-M0118024 | 1246819-79-3 |
| 14536 | Miglitol                                                            | VS-M0119000 | 72432-03-2   |
| 14537 | Miltefosine                                                         | VS-M0120000 | 58066-85-6   |
| 14538 | Stearoyl Lysophosphatidylcholine                                    | VS-M0120001 | 19420-57-6   |
| 14539 | 1-Palmitoyl-sn-Glycero-3-Phosphocholine                             | VS-M0120002 | 17364-16-8   |
| 14540 | 1-Stearoyl-2-Hydroxy-sn-Glycero-3-Phospho-(1'-rac-glycerol) Na Salt | VS-M0120003 | 326495-23-2  |
| 14541 | L-alpha-Glycerylphosphorylcholine                                   | VS-M0120004 | 28319-77-9   |
| 14542 | Medetomidine Hydrochloride                                          | VS-M012001  | 86347-15-1   |
| 14543 | Dexmedetomidine Hydrochloride                                       | VS-M012002  | 145108-58-3  |
| 14544 | Levomeditomidine Hydrochloride                                      | VS-M012003  | 190000-46-5  |
| 14545 | Medetomidine Hydroxy Impurity                                       | VS-M012004  | 86347-12-8   |
| 14546 | N-Benzyl Hydroxy Medetomidine                                       | VS-M012005  | 2250243-44-6 |
| 14547 | N-Benzyl Medetomidine                                               | VS-M012006  | 2250242-52-3 |
| 14548 | N-Benzyl Vinyl Analog Medetomidine                                  | VS-M012007  | 2250243-56-0 |
| 14549 | 1H-imidazol-4-carbaldehyde                                          | VS-M012008  | 3034-50-2    |
| 14550 | (1H-imidazol-4-yl)methanol                                          | VS-M012009  | 822-55-9     |
| 14551 | Bromo Medetomidine Impurity                                         | VS-M012010  | N/A          |
| 14552 | Dexmeditomidine Dibenzyl                                            | VS-M012011  | 103-29-7     |
| 14553 | Methyl Sulfide                                                      | VS-M012012  | 75-18-3      |
| 14554 | Medetomidine Chloro Impurity                                        | VS-M012013  | N/A          |
| 14555 | Levomeditomidine                                                    | VS-M012014  | 119717-21-4  |
| 14556 | Dexmedetomidine Impurity 2                                          | VS-M012015  | N/A          |
| 14557 | Dexmedetomidine Impurity I                                          | VS-M012016  | 33016-47-6   |
| 14558 | Dexmedetomidine Impurity II                                         | VS-M012017  | 176721-01-0  |
| 14559 | Dexmedetomidine Impurity III                                        | VS-M012018  | 176721-02-1  |
| 14560 | Dexmedetomidine Impurity IV                                         | VS-M012019  | 176721-03-2  |
| 14561 | Dexmedetomidine Impurity V                                          | VS-M012020  | 1021949-47-2 |
| 14562 | Dexmedetomidine Impurity VI                                         | VS-M012021  | 91874-85-0   |
| 14563 | Medetomidine Impurity 1                                             | VS-M012022  | 172498-90-7  |
| 14564 | Medetomidine Impurity 2                                             | VS-M012023  | 33769-07-2   |
| 14565 | Medetomidine Impurity 3                                             | VS-M012024  | 519-73-3     |
| 14566 | Medetomidine Impurity 4                                             | VS-M012025  | 2250243-24-2 |
| 14567 | Medetomidine Impurity 5                                             | VS-M012026  | N/A          |
| 14568 | Medetomidine                                                        | VS-M012027  | 86347-14-0   |
| 14569 | Mirogabalin                                                         | VS-M0121000 | 1138245-13-2 |
| 14570 | Mirogabalin Impurity 1                                              | VS-M0121001 | 1644251-34-2 |
| 14571 | Mirogabalin Impurity 2                                              | VS-M0121002 | NA           |
| 14572 | Mirogabalin Impurity 3                                              | VS-M0121003 | 2165847-73-2 |
| 14573 | Mirogabalin Impurity 4                                              | VS-M0121004 | 2166206-19-3 |
| 14574 | Mirogabalin Impurity 5                                              | VS-M0121005 | 1138245-15-4 |



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| 14575 | Mirogabalin Impurity 6       | VS-M0121006 | 1235479-59-0 |
| 14576 | Mirogabalin Impurity 7       | VS-M0121007 | 344428-05-3  |
| 14577 | Mirogabalin Impurity 8       | VS-M0121008 | 1415817-34-3 |
| 14578 | Mitapivat                    | VS-M0122000 | 1260075-17-9 |
| 14579 | Mizolastine                  | VS-M0123000 | 108612-45-9  |
| 14580 | Mobocertinib                 | VS-M0124000 | 1847461-43-1 |
| 14581 | Monepantel                   | VS-M0125000 | 887148-69-8  |
| 14582 | Racemic-Monepantel Sulfone   | VS-M0125001 | 851976-52-8  |
| 14583 | Morantel Citrate             | VS-M0126000 | 69525-81-1   |
| 14584 | Morantel EP Impurity A       | VS-M0126001 | 728854-15-7  |
| 14585 | Morantel EP Impurity B       | VS-M0126002 | 46426-32-8   |
| 14586 | Morantel EP Impurity C       | VS-M0126003 | 4271-96-9    |
| 14587 | Morantel EP Impurity D       | VS-M0126004 | NA           |
| 14588 | Morantel EP Impurity E       | VS-M0126005 | 5834-16-2    |
| 14589 | Morniflumate                 | VS-M0127000 | 65847-85-0   |
| 14590 | N-Nitroso Morniflumate       | VS-M0127001 | NA           |
| 14591 | Morphine Sulphate            | VS-M0128000 | 64-31-3      |
| 14592 | Morphine EP Impurity A       | VS-M0128001 | 76-57-3      |
| 14593 | Morphine EP Impurity B       | VS-M0128002 | 125-24-6     |
| 14594 | Morphine EP Impurity C       | VS-M0128003 | 467-04-9     |
| 14595 | Morphine EP Impurity D       | VS-M0128004 | 131563-73-0  |
| 14596 | Morphine EP Impurity E       | VS-M0128005 | 467-02-7     |
| 14597 | Morphine EP Impurity F       | VS-M0128006 | 639-46-3     |
| 14598 | 3-Methoxymorphinan           | VS-M0128007 | 1531-25-5    |
| 14599 | Normorphine                  | VS-M0128008 | 466-97-7     |
| 14600 | Norlevorphanol               | VS-M0128009 | 1531-12-0    |
| 14601 | Nicomorphine                 | VS-M0128010 | 639-48-5     |
| 14602 | Myrophine                    | VS-M0128011 | 467-18-5     |
| 14603 | Nicodicodine                 | VS-M0128012 | 808-24-2     |
| 14604 | Nicocodine                   | VS-M0128013 | 3688-66-2    |
| 14605 | Morphine Methobromide        | VS-M0128014 | 125-23-5     |
| 14606 | N-Nitroso Morphine           | VS-M0128015 | NA           |
| 14607 | Myristic Acid                | VS-M0129000 | 544-63-8     |
| 14608 | Macamide Impurity 1          | VS-M0130000 | 883715-19-3  |
| 14609 | Mefenamic Acid               | VS-M0130001 | 61-68-7      |
| 14610 | Mefenamic Acid EP Impurity A | VS-M0130002 | 87-59-2      |
| 14611 | Mefenamic Acid EP Impurity B | VS-M0130003 | 21122-68-9   |
| 14612 | Mefenamic Acid EP Impurity C | VS-M0130004 | 118-91-2     |
| 14613 | Mefenamic Acid EP Impurity D | VS-M0130005 | 65-85-0      |
| 14614 | Mefenamic Acid EP Impurity E | VS-M0130006 | 08-11-69     |
| 14615 | 2,4-Xylidine                 | VS-M0130007 | 95-68-1      |
| 14616 | 2,5-Xylidine                 | VS-M0130008 | 95-78-3      |
| 14617 | 3,4-Xylidine                 | VS-M0130009 | 95-64-7      |
| 14618 | Mefenamic Acid Impurity 1    | VS-M0130010 | 27210-58-8   |
| 14619 | Mefenamic Acid Impurity 2    | VS-M0130011 | 21193-38-4   |
| 14620 | Mefenamic Acid Impurity 3    | VS-M0130012 | 39492-53-0   |
| 14621 | Mefenamic Acid Impurity 5    | VS-M0130013 | 83-41-0      |

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| 14622 | N-Nitroso mefenamic acid                                 | VS-M013014  | 2114-63-8    |
| 14623 | Magaldrate                                               | VS-M0131000 | 74978-16-8   |
| 14624 | Mefloquine Hydrochloride                                 | VS-M014001  | 51773-92-3   |
| 14625 | Mefloquine EP Impurity A                                 | VS-M014002  | 35853-55-5   |
| 14626 | Mefloquine EP Impurity B                                 | VS-M014003  | 68496-04-8   |
| 14627 | Mefloquine EP Impurity C                                 | VS-M014004  | 49752-90-1   |
| 14628 | N-Nitroso Mefloquine                                     | VS-M014005  | NA           |
| 14629 | Megestrol Acetate                                        | VS-M015001  | 595-33-5     |
| 14630 | Megestrol Acetate EP Impurity A                          | VS-M015002  | 71-58-9      |
| 14631 | Megestrol Acetate EP Impurity B                          | VS-M015003  | 3562-63-8    |
| 14632 | Megestrol Acetate EP Impurity C                          | VS-M015004  | 74910-22-8   |
| 14633 | Megestrol Acetate EP Impurity D                          | VS-M015005  | 32634-95-0   |
| 14634 | Megestrol Acetate EP Impurity E                          | VS-M015006  | 982-89-8     |
| 14635 | Megestrol Acetate EP Impurity F                          | VS-M015007  | 2242-65-1    |
| 14636 | Megestrol Acetate EP Impurity G                          | VS-M015008  | N/A          |
| 14637 | Megestrol Acetate EP Impurity H                          | VS-M015009  | 907193-65-1  |
| 14638 | Megestrol Acetate EP Impurity I                          | VS-M015010  | N/A          |
| 14639 | Megestrol Acetate EP Impurity J                          | VS-M015011  | 14994-27-5   |
| 14640 | Megestrol Acetate EP Impurity K                          | VS-M015012  | 302-23-8     |
| 14641 | Megestrol Acetate EP Impurity L                          | VS-M015013  | N/A          |
| 14642 | Meglumine                                                | VS-M016000  | 6284-40-8    |
| 14643 | N-Nitroso-Meglumine                                      | VS-M016001  | 10356-92-0   |
| 14644 | Diglucomine                                              | VS-M016002  | 15351-31-2   |
| 14645 | N-Methyl di Glucamine                                    | VS-M016003  | 158808-56-1  |
| 14646 | N, N-Dimethyl Glucamine hydrochloride                    | VS-M016004  | 186541-49-1  |
| 14647 | Enamine -1                                               | VS-M016005  | 71231-87-3   |
| 14648 | Enantiomeer meglumine                                    | VS-M016006  | 540470-46-0  |
| 14649 | Melatonin                                                | VS-M017000  | 73-31-4      |
| 14650 | Melatonin EP Impurity C                                  | VS-M017001  | 608-07-1     |
| 14651 | Melatonin Metabolite 1                                   | VS-M017002  | N/A          |
| 14652 | Melatonin Impurity 1                                     | VS-M017003  | 2436-17-1    |
| 14653 | N-(3-(2-Formamido-5-Methoxyphenyl)-3-Oxopropyl)Acetamide | VS-M017004  | 52450-38-1   |
| 14654 | Melatonin EP Impurity B                                  | VS-M017005  | 1210-83-9    |
| 14655 | Melatonin EP Impurity D                                  | VS-M017006  | 28026-16-6   |
| 14656 | Melatonin EP Impurity A                                  | VS-M017007  | 50-67-9      |
| 14657 | Meloxicam                                                | VS-M018000  | 71125-38-7   |
| 14658 | Meloxicam EP Impurity A                                  | VS-M018001  | 24683-26-9   |
| 14659 | Meloxicam EP Impurity B                                  | VS-M018002  | 7305-71-7    |
| 14660 | Meloxicam EP Impurity C                                  | VS-M018003  | 1262333-25-4 |
| 14661 | Meloxicam EP Impurity D                                  | VS-M018004  | N/A          |
| 14662 | Meloxicam EP Impurity E                                  | VS-M018005  | 35511-15-0   |
| 14663 | Meloxicam EP Impurity F                                  | VS-M018006  | 118854-48-1  |
| 14664 | 4-Methoxymeloxicam                                       | VS-M018007  | 1391051-96-9 |
| 14665 | 5'-Carboxy Meloxicam                                     | VS-M018008  | 130262-93-0  |
| 14666 | 5'-Hydroxy Meloxicam HCl                                 | VS-M018009  | N/A          |
| 14667 | Meloxicam Impurity 1 HCl                                 | VS-M018010  | 929568-25-2  |
| 14668 | Meloxicam Impurity 3                                     | VS-M018011  | 1145656-36-5 |

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| 14669 | Meloxicam Impurity 4                    | VS-M018012 | 632-25-7     |
| 14670 | Meloxicam Impurity 5                    | VS-M018013 | 125372-22-7  |
| 14671 | Meloxicam Impurity 6                    | VS-M018014 | N/A          |
| 14672 | Amido Ethyl Meloxicam                   | VS-M018015 | 881399-30-0  |
| 14673 | Amido Methyl Meloxicam                  | VS-M018016 | 892395-41-4  |
| 14674 | Melphalan                               | VS-M019000 | 148-82-3     |
| 14675 | Melphalan Hydrochloride                 | VS-M019001 | 02-07-23     |
| 14676 | Melphalan Sodium salt                   | VS-M019002 | 27960-54-9   |
| 14677 | Melphalan Sulfate salt                  | VS-M019003 | 1559066-79-3 |
| 14678 | Melphalan EP Impurity A                 | VS-M019004 | 72143-20-5   |
| 14679 | Melphalan EP Impurity A Hydrochloride   | VS-M019005 | 1818258-87-5 |
| 14680 | Melphalan EP Impurity B                 | VS-M019006 | 1270153-04-2 |
| 14681 | Melphalan EP Impurity B Hydrochloride   | VS-M019007 | N/A          |
| 14682 | Melphalan EP Impurity C                 | VS-M019008 | 573704-41-3  |
| 14683 | Melphalan EP Impurity C Hydrochloride   | VS-M019009 | 2286317-87-9 |
| 14684 | Melphalan EP Impurity D                 | VS-M019010 | 61733-01-5   |
| 14685 | Melphalan EP Impurity D Hydrochloride   | VS-M019011 | 1818258-86-4 |
| 14686 | Melphalan EP Impurity E                 | VS-M019012 | N/A          |
| 14687 | Melphalan EP Impurity F                 | VS-M019013 | N/A          |
| 14688 | Melphalan EP Impurity F Hydrochloride   | VS-M019014 | N/A          |
| 14689 | Melphalan EP Impurity G                 | VS-M019015 | 2238824-43-4 |
| 14690 | Melphalan EP Impurity G HCl salt        | VS-M019016 | 2238824-44-5 |
| 14691 | Melphalan EP Impurity H                 | VS-M019017 | 88457-23-2   |
| 14692 | Melphalan EP Impurity I                 | VS-M019018 | 573704-40-2  |
| 14693 | Melphalan EP Impurity J                 | VS-M019019 | N/A          |
| 14694 | Melphalan EP Impurity G TFA salt        | VS-M019020 | N/A          |
| 14695 | Melphalan EP Impurity H Hydrochloride   | VS-M019021 | 62978-52-3   |
| 14696 | Melphalan EP Impurity I Hydrochloride   | VS-M019022 | N/A          |
| 14697 | Melphalan EP Impurity J Hydrochloride   | VS-M019023 | N/A          |
| 14698 | Melphalan EP Impurity K                 | VS-M019024 | 109-89-7     |
| 14699 | Melphalan D-Isomer                      | VS-M019025 | 4213-32-5    |
| 14700 | Melphalan Racemic Mixture               | VS-M019026 | 1465-26-5    |
| 14701 | rac-Melphalan N-Oxide Impurity HCl      | VS-M019027 | N/A          |
| 14702 | Melphalan Isopropyl Ester Hydrochloride | VS-M019028 | 757234-98-3  |
| 14703 | 2-(2-Chloro ethoxy) Ethyl acetate       | VS-M019029 | 14258-40-3   |
| 14704 | Melphalan Ethyl Ester                   | VS-M019030 | 97470-99-0   |
| 14705 | Methoxy Hydroxy Melphalan               | VS-M019031 | N/A          |
| 14706 | 3-Chloro Melphalan                      | VS-M019032 | N/A          |
| 14707 | Isopropoxy Melphalan                    | VS-M019033 | N/A          |
| 14708 | Melphalan Dimer Impurity                | VS-M019034 | N/A          |
| 14709 | Melphalan Ethoxy-Alcohol Impurity       | VS-M019035 | N/A          |
| 14710 | Melphalan Impurity 1                    | VS-M019036 | 949-99-5     |
| 14711 | Melphalan Impurity 2                    | VS-M019037 | 19883-74-0   |
| 14712 | Melphalan Impurity 3                    | VS-M019038 | 19883-75-1   |
| 14713 | Melphalan Impurity 4                    | VS-M019039 | N/A          |
| 14714 | Melphalan Impurity 5                    | VS-M019040 | 17451-66-0   |
| 14715 | Melphalan Impurity 6                    | VS-M019041 | 1951445-22-9 |

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| 14716 | Melphalan Impurity 7                         | VS-M019042 | N/A          |
| 14717 | Melphalan Impurity 8                         | VS-M019043 | 74743-22-9   |
| 14718 | Melphalan Impurity 9                         | VS-M019044 | N/A          |
| 14719 | Melphalan Impurity 10                        | VS-M019045 | N/A          |
| 14720 | Melphalan Impurity 11                        | VS-M019046 | 40615-17-6   |
| 14721 | Melphalan Impurity 12                        | VS-M019047 | N/A          |
| 14722 | Melphalan Impurity 13                        | VS-M019048 | N/A          |
| 14723 | Melphalan Impurity 14                        | VS-M019049 | 1088-80-8    |
| 14724 | Melphalan Impurity 15                        | VS-M019050 | 67877-95-6   |
| 14725 | Melphalan Impurity 16                        | VS-M019051 | 176794-96-0  |
| 14726 | Melphalan Impurity 17                        | VS-M019052 | 114346-32-6  |
| 14727 | Melphalan Impurity 18                        | VS-M019053 | 114346-36-0  |
| 14728 | Melphalan Isopropyl Ester                    | VS-M019054 | 104874-57-9  |
| 14729 | Memantine                                    | VS-M020000 | 19982-08-2   |
| 14730 | Memantine HCl                                | VS-M020001 | 41100-52-1   |
| 14731 | Memantine Related Compound A                 | VS-M020002 | 702-79-4     |
| 14732 | Memantine Related Compound B                 | VS-M020003 | 707-37-9     |
| 14733 | Memantine Related Compound C                 | VS-M020004 | 707-36-8     |
| 14734 | Memantine Related Compound D                 | VS-M020005 | 941-37-7     |
| 14735 | Memantine Related Compound E                 | VS-M020006 | 351329-88-9  |
| 14736 | 3-Ethyl Admantamine Hydrochloride            | VS-M020007 | 80121-67-1   |
| 14737 | 1-Amino-3,5,7-Trimethyl Adamantane HCl       | VS-M020008 | 15210-60-3   |
| 14738 | 1-Amino -3-Methyladamantane HCl              | VS-M020009 | 33103-93-4   |
| 14739 | 1-Amino-3-Hydroxy-5,7-Dimethyladamantane HCl | VS-M020010 | 356572-08-2  |
| 14740 | Acetyl Memantine                             | VS-M020011 | 19982-07-1   |
| 14741 | Memantine Lactose Adduct                     | VS-M020012 | 1159637-28-1 |
| 14742 | Memantine Amide Impurity                     | VS-M020013 | N/A          |
| 14743 | 1,3,5-Trimethyladamantane                    | VS-M020014 | 707-35-7     |
| 14744 | Memantine Glycine                            | VS-M020015 | 1340545-88-1 |
| 14745 | Menaquinone                                  | VS-M021000 | 2124-57-4    |
| 14746 | Menthol                                      | VS-M022000 | 2216-51-5    |
| 14747 | Menthyl Acetate                              | VS-M022001 | 89-48-5      |
| 14748 | (±)-Menthone                                 | VS-M023000 | 89-80-5      |
| 14749 | (+)-Isomenthone                              | VS-M023001 | 1196-31-2    |
| 14750 | (±)-Isomenthone                              | VS-M023002 | 491-07-6     |
| 14751 | Mepivacaine Hydrochloride                    | VS-M024001 | 1722-62-9    |
| 14752 | Mepivacaine EP Impurity A                    | VS-M024002 | 87-62-7      |
| 14753 | Mepivacaine EP Impurity B                    | VS-M024003 | 15883-20-2   |
| 14754 | Mepivacaine EP Impurity C                    | VS-M024004 | 39627-98-0   |
| 14755 | Mepivacaine EP Impurity D                    | VS-M024005 | N/A          |
| 14756 | Mepivacaine EP Impurity E                    | VS-M024006 | 2717331-30-9 |
| 14757 | Mepivacaine                                  | VS-M024007 | 96-88-8      |
| 14758 | Meprednisone                                 | VS-M025000 | 1247-42-3    |
| 14759 | Meprednisone Impurity 1                      | VS-M025001 | N/A          |
| 14760 | Mepyramine Maleate                           | VS-M026000 | 59-33-6      |
| 14761 | Mepyramine EP Impurity A                     | VS-M026001 | 52818-63-0   |
| 14762 | Mepyramine EP Impurity B                     | VS-M026002 | 123-11-5     |

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| 14763 | Mepyramine EP Impurity C              | VS-M026003 | 504-29-0     |
| 14764 | N-Desmethyl Mepyramine                | VS-M026004 | 104499-47-0  |
| 14765 | Mepyramine N-Oxide                    | VS-M026005 | 98982-99-1   |
| 14766 | Mercaptopurine                        | VS-M027000 | 50-44-2      |
| 14767 | Mercaptopurine Impurity C             | VS-M027001 | 49808-20-0   |
| 14768 | Mercaptopurine Hydrate                | VS-M027002 | 6112-76-1    |
| 14769 | Purine                                | VS-M027003 | 120-73-0     |
| 14770 | Mercaptopurine Impurity 1             | VS-M027004 | 90947-51-6   |
| 14771 | Mercaptopurine Impurity 2             | VS-M027005 | 4897-31-8    |
| 14772 | Mercaptopurine Impurity 3             | VS-M027006 | 872-49-1     |
| 14773 | Mercaptopurine Impurity 4             | VS-M027007 | N/A          |
| 14774 | Meropenem Trihydrate Sodium Carbonate | VS-M028001 | N/A          |
| 14775 | Meropenem EP Impurity A               | VS-M028002 | 1053703-36-8 |
| 14776 | Meropenem EP Impurity B               | VS-M028003 | 166901-45-7  |
| 14777 | Meropenem Trihydrate                  | VS-M028004 | 119478-56-7  |
| 14778 | Mertansine                            | VS-M029000 | 139504-50-0  |
| 14779 | Mertansine Impurity 1                 | VS-M029001 | 138148-62-6  |
| 14780 | Mertansine Impurity 2                 | VS-M029002 | 138148-59-1  |
| 14781 | Mesalazine                            | VS-M030000 | 89-57-6      |
| 14782 | Mesalazine EP Impurity A              | VS-M030001 | 123-30-8     |
| 14783 | Mesalazine EP Impurity B              | VS-M030002 | 591-27-5     |
| 14784 | Mesalazine EP Impurity C              | VS-M030003 | 95-55-6      |
| 14785 | Mesalazine EP Impurity D              | VS-M030004 | 99-05-8      |
| 14786 | Mesalazine EP Impurity E              | VS-M030005 | 65-49-6      |
| 14787 | Mesalazine EP Impurity F              | VS-M030006 | 570-23-0     |
| 14788 | Mesalazine EP Impurity G              | VS-M030007 | 490-79-9     |
| 14789 | Mesalazine EP Impurity H              | VS-M030008 | 69-72-7      |
| 14790 | Mesalazine EP Impurity I              | VS-M030009 | 3147-53-3    |
| 14791 | Mesalazine EP Impurity J              | VS-M030010 | 112725-89-0  |
| 14792 | Mesalazine EP Impurity K              | VS-M030011 | 142-04-1     |
| 14793 | Mesalazine EP Impurity L              | VS-M030012 | 118-91-2     |
| 14794 | Mesalazine EP Impurity M              | VS-M030013 | 2516-96-3    |
| 14795 | Mesalazine EP Impurity N              | VS-M030014 | 96-97-9      |
| 14796 | Mesalazine EP Impurity O              | VS-M030015 | 121-57-3     |
| 14797 | Mesalazine EP Impurity P              | VS-M030016 | 887256-40-8  |
| 14798 | Mesalazine EP Impurity Q              | VS-M030017 | 3970-35-2    |
| 14799 | Mesalazine EP Impurity R              | VS-M030018 | 85-38-1      |
| 14800 | Mesalazine EP Impurity S              | VS-M030019 | 1797983-23-3 |
| 14801 | Mesalazine Impurity 1                 | VS-M030020 | 859964-08-2  |
| 14802 | Mesalazine Impurity 2                 | VS-M030021 | 876903-48-9  |
| 14803 | N-Propionyl Mesalazine                | VS-M030022 | 93968-80-0   |
| 14804 | Mesalazine Impurity 4                 | VS-M030023 | 394-31-0     |
| 14805 | Mesalazine Impurity 5                 | VS-M030024 | 143228-42-6  |
| 14806 | N-Acetyl Mesalazine                   | VS-M030025 | 51-59-2      |
| 14807 | Mesna                                 | VS-M031000 | 19767-45-4   |
| 14808 | Mesna EP Impurity A                   | VS-M031001 | 25985-57-3   |
| 14809 | Mesna EP Impurity B                   | VS-M031002 | 1391053-66-9 |

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| 14810 | Mesna EP Impurity C                      | VS-M031003 | 69536-71-6   |
| 14811 | Mesna EP Impurity D                      | VS-M031004 | 45127-11-5   |
| 14812 | Mesna EP Impurity E                      | VS-M031005 | 1391054-56-0 |
| 14813 | Metamizole Sodium Monohydrate            | VS-M032001 | 5907-38-0    |
| 14814 | Metamizole Antipyrine-4-Peroxide         | VS-M032002 | 69124-27-2   |
| 14815 | Metamizole EP Impurity A                 | VS-M032003 | 1672-58-8    |
| 14816 | Metamizole EP Impurity B                 | VS-M032004 | 83-07-8      |
| 14817 | Metamizole EP Impurity C                 | VS-M032005 | 519-98-2     |
| 14818 | Metamizole EP Impurity C HCl             | VS-M032006 | 856307-27-2  |
| 14819 | Metamizole EP Impurity D                 | VS-M032007 | 58-15-1      |
| 14820 | Metamizole EP Impurity E                 | VS-M032008 | 129-89-5     |
| 14821 | Metamizole Impurity 1                    | VS-M032009 | 106236-80-0  |
| 14822 | Metamizole Impurity 2                    | VS-M032010 | N/A          |
| 14823 | Metamizole Impurity 2 (Unknown Impurity) | VS-M032011 | N/A          |
| 14824 | Metamizole Impurity 3                    | VS-M032012 | N/A          |
| 14825 | Metamizole Impurity 4                    | VS-M032013 | 62902-13-0   |
| 14826 | Metamizole Impurity 5                    | VS-M032014 | N/A          |
| 14827 | Metamizole Impurity 6                    | VS-M032015 | 1088850-34-3 |
| 14828 | Metamizole Impurity 7                    | VS-M032016 | 83-15-8      |
| 14829 | Metaraminol                              | VS-M033000 | 54-49-9      |
| 14830 | Metaraminol Enantiomer                   | VS-M033001 | 27303-40-8   |
| 14831 | Metaraminol USP Related Compound A       | VS-M033002 | N/A          |
| 14832 | Metaraminol USP Related Compound B       | VS-M033003 | 1940-82-5    |
| 14833 | Metaraminol Impurity 1                   | VS-M033004 | 61-59-6      |
| 14834 | Metaraminol Impurity 2                   | VS-M033005 | 14149-92-9   |
| 14835 | Metaxalone                               | VS-M034000 | 1665-48-1    |
| 14836 | Metaxalone Impurity A                    | VS-M034001 | 59365-66-1   |
| 14837 | Metaxalone Impurity B                    | VS-M034002 | 108-68-9     |
| 14838 | Metaxalone USP Related Compound B        | VS-M034003 | 66766-07-2   |
| 14839 | Metaxalone USP Related Compound C        | VS-M034004 | 805972-34-3  |
| 14840 | N-Benzyl Metaxalone                      | VS-M034005 | N/A          |
| 14841 | Metaxalone Mono Impurity                 | VS-M034006 | 1392430-16-8 |
| 14842 | Triglycidyl Isocyanurate                 | VS-M034007 | 2451-62-9    |
| 14843 | Metaxalone Impurity 1                    | VS-M034008 | 1422444-20-9 |
| 14844 | Metaxalone Impurity 2                    | VS-M034009 | N/A          |
| 14845 | Metaxalone Impurity 3                    | VS-M034010 | N/A          |
| 14846 | Metaxalone Impurity 4                    | VS-M034011 | N/A          |
| 14847 | Metaxalone Impurity 5                    | VS-M034012 | 1392430-17-9 |
| 14848 | Metaxalone Impurity 6                    | VS-M034013 | 4287-30-3    |
| 14849 | Metformin                                | VS-M035000 | 657-24-9     |
| 14850 | Metformin HCl                            | VS-M035001 | 1115-70-4    |
| 14851 | Metformin EP Impurity A                  | VS-M035002 | 461-58-5     |
| 14852 | Metformin EP Impurity B                  | VS-M035003 | 08-04-59     |
| 14853 | Metformin EP Impurity C                  | VS-M035004 | 1985-46-2    |
| 14854 | Metformin EP Impurity D                  | VS-M035005 | 108-78-1     |
| 14855 | Metformin EP Impurity E                  | VS-M035006 | 36801-25-9   |
| 14856 | Metformin EP Impurity F (HCl salt)       | VS-M035007 | 506-59-2     |

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| 14857 | Metformin EP Impurity E (HCl salt)     | VS-M035008 | 1674-62-0    |
| 14858 | Metformin Hydroxy Analog 1             | VS-M035009 | 926-72-7     |
| 14859 | Metformin Hydroxy Analog 2             | VS-M035010 | 98026-16-5   |
| 14860 | Mono methylamine                       | VS-M035011 | 74-89-5      |
| 14861 | N'-(Aminoiminomethyl)-N,N-dimethylurea | VS-M035012 | N/A          |
| 14862 | N,N-Dimethylcarbamic Acid              | VS-M035013 | 7260-94-8    |
| 14863 | Metformin Impurity 1                   | VS-M035014 | 27369-26-2   |
| 14864 | Metformin Nitroso Impurity             | VS-M035015 | N/A          |
| 14865 | Metformin-d6 Hydrochloride             | VS-M035016 | 1185166-01-1 |
| 14866 | Metformin EP Impurity F                | VS-M035017 | 124-40-3     |
| 14867 | Methacycline HCl                       | VS-M036001 | 3963-95-9    |
| 14868 | Methazolamide                          | VS-M037000 | 554-57-4     |
| 14869 | Methazolamide Impurity A               | VS-M037001 | 109517-20-6  |
| 14870 | Methazolamide Impurity B               | VS-M037002 | 1312679-00-7 |
| 14871 | Methazolamide Impurity C               | VS-M037003 | 58537-52-3   |
| 14872 | Methazolamide Impurity D               | VS-M037004 | 38583-51-6   |
| 14873 | Methazolamide Impurity E               | VS-M037005 | N/A          |
| 14874 | Methazolamide Impurity F               | VS-M037006 | N/A          |
| 14875 | Methazolamide Impurity G               | VS-M037007 | N/A          |
| 14876 | Methenamine                            | VS-M038000 | 100-97-0     |
| 14877 | Methenamine Impurity 1                 | VS-M038001 | 5813-81-0    |
| 14878 | Methenamine Impurity 2                 | VS-M038002 | 478932-11-5  |
| 14879 | Methenamine Impurity 3                 | VS-M038003 | 2482-25-9    |
| 14880 | Methenamine Impurity 4                 | VS-M038004 | 487-54-7     |
| 14881 | Methenamine Impurity 5                 | VS-M038005 | 1637-75-8    |
| 14882 | Methenolone Acetate                    | VS-M039000 | 434-05-9     |
| 14883 | Methionine                             | VS-M040000 | 63-68-3      |
| 14884 | Methionine EP Impurity A               | VS-M040001 | 3226-65-1    |
| 14885 | Methionine EP Impurity B               | VS-M040002 | 7314-32-1    |
| 14886 | Methionine EP Impurity C               | VS-M040003 | 1115-47-5    |
| 14887 | Methionine EP Impurity D               | VS-M040004 | 1879009-96-7 |
| 14888 | Methionine EP Impurity E               | VS-M040005 | N/A          |
| 14889 | Acetyl Methionine sulfoxide            | VS-M040006 | 3054-51-1    |
| 14890 | Acetylmethionine sulfone               | VS-M040007 | 134870-73-8  |
| 14891 | Methionine Impurity 1                  | VS-M040008 | N/A          |
| 14892 | Methionine Impurity 2                  | VS-M040009 | N/A          |
| 14893 | Methionine Impurity 3                  | VS-M040010 | N/A          |
| 14894 | Methionine Impurity 4                  | VS-M040011 | N/A          |
| 14895 | Methocarbamol                          | VS-M041000 | 532-03-6     |
| 14896 | Methocarbamol B-Isomer                 | VS-M041001 | 10488-39-8   |
| 14897 | Methotrexate                           | VS-M042000 | 59-05-2      |
| 14898 | Methotrexate EP Impurity A             | VS-M042001 | 945-24-4     |
| 14899 | Methotrexate EP Impurity B             | VS-M042002 | 54-62-6      |
| 14900 | Methotrexate Hydrate EP Impurity B     | VS-M042003 | 1217459-90-9 |
| 14901 | Methotrexate EP Impurity C             | VS-M042004 | 2410-93-7    |
| 14902 | Methotrexate EP Impurity D             | VS-M042005 | 5623-18-7    |
| 14903 | Methotrexate Hydrate EP Impurity D     | VS-M042006 | 1189252-22-9 |

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| 14904 | Methotrexate EP Impurity E                                | VS-M042007 | 19741-14-1   |
| 14905 | Methotrexate EP Impurity F                                | VS-M042008 | 51865-79-3   |
| 14906 | Methotrexate EP Impurity G                                | VS-M042009 | N/A          |
| 14907 | Methotrexate EP Impurity H                                | VS-M042010 | 67022-39-3   |
| 14908 | Methotrexate EP Impurity I                                | VS-M042011 | 66147-29-3   |
| 14909 | Methotrexate EP Impurity J                                | VS-M042012 | 34378-65-9   |
| 14910 | Methotrexate EP Impurity K                                | VS-M042013 | 4271-30-1    |
| 14911 | Methotrexate EP Impurity L                                | VS-M042014 | 52980-68-4   |
| 14912 | Methotrexate 7-Hydroxy Metabolite                         | VS-M042015 | 5939-37-7    |
| 14913 | Methotrexate Impurity                                     | VS-M042016 | 73978-41-3   |
| 14914 | Methotrexate Dimethylamide                                | VS-M042017 | 71074-44-7   |
| 14915 | 2,4-Diaminopteridine                                      | VS-M042018 | 1127-93-1    |
| 14916 | 6-Methyl-2,4-pteridinediamine                             | VS-M042019 | 708-74-7     |
| 14917 | N-(4-chlorobenzoyl)-L-glutamic acid                       | VS-M042020 | 57444-70-9   |
| 14918 | S-methylaminobenzoyl glutamicester                        | VS-M042021 | 2378-95-2    |
| 14919 | N-(4-hydroxybenzoyl)-L-Glutamic acid                      | VS-M042022 | 119843-02-6  |
| 14920 | Methotrexate Impurity 1                                   | VS-M042023 | 1029980-84-4 |
| 14921 | Methotrexate Impurity 2                                   | VS-M042024 | N/A          |
| 14922 | Methotrexate Impurity 3                                   | VS-M042025 | N/A          |
| 14923 | Methotrexate Impurity 11                                  | VS-M042026 | 34794-87-1   |
| 14924 | Methotrexate Impurity 5                                   | VS-M042027 | 4215-07-0    |
| 14925 | Methotrexate EP Impurity E (HCl Salt)                     | VS-M042028 | 70844-48-3   |
| 14926 | R-Methotrexate                                            | VS-M042029 | N/A          |
| 14927 | Methoxsalen                                               | VS-M043000 | 298-81-7     |
| 14928 | Methoxsalen USP Related Compound A                        | VS-M043001 | 484-20-8     |
| 14929 | Methoxsalen USP Related Compound B                        | VS-M043002 | 482-27-9     |
| 14930 | Methyl Prednisolone Suleptanate                           | VS-M044000 | 121807-10-1  |
| 14931 | Methyl Sulphonate Ester of Suleptanic Acid                | VS-M044001 | N/A          |
| 14932 | Ethyl Sulphonate Ester of Suleptanic Acid                 | VS-M044002 | N/A          |
| 14933 | Tert-Butyl Sulphonate Ester of Suleptanic Acid            | VS-M044003 | N/A          |
| 14934 | Sec-Butyl Sulphonate Ester of Suleptanic Acid             | VS-M044004 | N/A          |
| 14935 | Methyldopa Sesquihydrate                                  | VS-M045001 | 41372-08-1   |
| 14936 | Methyldopa EP Impurity A                                  | VS-M045002 | 6739-31-7    |
| 14937 | Methyldopa EP Impurity B                                  | VS-M045003 | 65555-88-6   |
| 14938 | Methyldopa USP Related Compound B                         | VS-M045004 | 35026-10-9   |
| 14939 | Methyldopa EP Impurity C                                  | VS-M045005 | 39948-18-0   |
| 14940 | Methyldopa EP Impurity D                                  | VS-M045006 | 2799-15-7    |
| 14941 | Methyldopa                                                | VS-M045007 | 555-30-6     |
| 14942 | Methylprednisolone                                        | VS-M046000 | 83-43-2      |
| 14943 | Methylprednisolone EP Impurity A                          | VS-M046001 | 91523-05-6   |
| 14944 | Methylprednisolone EP Impurity B                          | VS-M046002 | 58636-50-3   |
| 14945 | Methylprednisolone EP Impurity C                          | VS-M046003 | 61919-52-6   |
| 14946 | Methylprednisolone EP Impurity D                          | VS-M046004 | N/A          |
| 14947 | Methylprednisolone EP Impurity D (E-Isomer)               | VS-M046005 | 1338549-02-2 |
| 14948 | Methylprednisolone EP Impurity D (Z-Isomer)               | VS-M046006 | N/A          |
| 14949 | MethylPrednisolone EP Impurity D (Isomer mixture-1 and 2) | VS-M046007 | N/A          |
| 14950 | Methylprednisolone EP Impurity E                          | VS-M046008 | 229019-44-7  |



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| 14951 | Methylprednisolone EP Impurity F                    | VS-M046009 | 1625-39-4    |
| 14952 | Methylprednisolone EP Impurity G                    | VS-M046010 | 93269-35-3   |
| 14953 | Methylprednisolone EP Impurity H                    | VS-M046011 | 18462-27-6   |
| 14954 | Methylprednisolone EP Impurity J                    | VS-M046012 | 53-36-1      |
| 14955 | Methylprednisolone EP Impurity K                    | VS-M046013 | 50-24-8      |
| 14956 | Methylprednisolone EP Impurity L                    | VS-M046014 | 6870-94-6    |
| 14957 | Methylprednisolone Acetate EP Impurity A            | VS-M046015 | 93963-74-7   |
| 14958 | Methylprednisolone Acetate EP Impurity C            | VS-M046016 | 58636-50-3   |
| 14959 | Methylprednisolone Acetate EP Impurity D            | VS-M046017 | 150899-33-5  |
| 14960 | Methylprednisolone Acetate EP Impurity E            | VS-M046018 | 52-21-1      |
| 14961 | Methylprednisolone Acetate EP Impurity F            | VS-M046019 | N/A          |
| 14962 | Methylprednisolone Acetate EP Impurity G            | VS-M046020 | 1625-11-2    |
| 14963 | Methylprednisolone Acetate EP Impurity H            | VS-M046021 | 1968-76-9    |
| 14964 | Methylprednisolone Acetate EP Impurity J            | VS-M046022 | 1048031-82-8 |
| 14965 | Methylprednisolone Acetate EP Impurity K            | VS-M046023 | 115321-98-7  |
| 14966 | Methylprednisolone hydrogen succinate EP Impurity D | VS-M046024 | 1264179-43-2 |
| 14967 | Methylprednisolone hydrogen succinate EP Impurity E | VS-M046025 | 2920-86-7    |
| 14968 | 6 $\alpha$ -Methyl Hydrocortisone 21-Hemisuccinate  | VS-M046026 | 119657-85-1  |
| 14969 | Methylprednisolone Glucuronide                      | VS-M046027 | N/A          |
| 14970 | Methylprednisolone Sulfate                          | VS-M046028 | 1127921-80-5 |
| 14971 | Methylprednisolone 21-Hemisuccinate                 | VS-M046029 | 2921-57-5    |
| 14972 | Methylprednisolone 17-Hydrogen Succinate            | VS-M046030 | 77074-42-1   |
| 14973 | Methylprednisolone 21-Propionate                    | VS-M046031 | N/A          |
| 14974 | Methylprednisolone Ethylthiopropionate              | VS-M046032 | 85198-27-2   |
| 14975 | Methylprednisolone 17-Propionate                    | VS-M046033 | 79512-61-1   |
| 14976 | Delta-9,11-Methylprednisolone acetate               | VS-M046034 | 93239-37-3   |
| 14977 | Methylprednisolone Methyl-hemisuccinate             | VS-M046035 | N/A          |
| 14978 | 6 $\beta$ -Methylprednisolone Hemisuccinate         | VS-M046036 | 2376134-25-5 |
| 14979 | 11-oxo-methylprednisolone hemisuccinate             | VS-M046037 | N/A          |
| 14980 | Methylprednisolone Dimer Impurity                   | VS-M046038 | N/A          |
| 14981 | Methylprednisolone 17, 21-disuccinate               | VS-M046039 | N/A          |
| 14982 | 6-Hydroxy Methylprednisolone                        | VS-M046040 | 229019-42-5  |
| 14983 | Methylprednisolone Suleptanate Methyl Ester         | VS-M046041 | N/A          |
| 14984 | Methylprednisolone Suleptanate Ethyl Ester          | VS-M046042 | N/A          |
| 14985 | Methylprednisolone Suleptanate Tert Butyl Ester     | VS-M046043 | N/A          |
| 14986 | Methylprednisolone Suleptanate Sec Butyl Ester      | VS-M046044 | N/A          |
| 14987 | Methylprednisolone-17-propionate-11, 21 diacetate   | VS-M046045 | N/A          |
| 14988 | Methylprednisolone Dimer Impurity 1                 | VS-M046046 | N/A          |
| 14989 | Methylprednisolone Impurity 1                       | VS-M046047 | 86401-94-7   |
| 14990 | Methylprednisolone Impurity 2                       | VS-M046048 | N/A          |
| 14991 | Methylprednisolone Impurity 3                       | VS-M046049 | N/A          |
| 14992 | Methylprednisolone Impurity 4                       | VS-M046050 | N/A          |
| 14993 | Methylprednisolone Impurity 5                       | VS-M046051 | N/A          |
| 14994 | Methylprednisolone Impurity 6                       | VS-M046052 | N/A          |
| 14995 | Methylprednisolone Acetate                          | VS-M046053 | 53-36-1      |
| 14996 | Metoclopramide HCl                                  | VS-M047001 | 7232-21-5    |
| 14997 | Metoclopramide EP Impurity A                        | VS-M047002 | 5608-13-9    |

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| 14998 | Metoclopramide EP Impurity B           | VS-M047003 | 4093-31-6    |
| 14999 | Metoclopramide EP Impurity C           | VS-M047004 | 7206-70-4    |
| 15000 | Metoclopramide EP Impurity D           | VS-M047005 | 4093-29-2    |
| 15001 | Metoclopramide EP Impurity E           | VS-M047006 | 100-36-7     |
| 15002 | Metoclopramide EP Impurity F           | VS-M047007 | 38339-95-6   |
| 15003 | Metoclopramide EP Impurity G           | VS-M047008 | 171367-22-9  |
| 15004 | Metoclopramide EP Impurity H           | VS-M047009 | 50-86-2      |
| 15005 | Metolazone                             | VS-M048000 | 17560-51-9   |
| 15006 | Metolazone EP Impurity A               | VS-M048001 | 50869-25-5   |
| 15007 | Metolazone EP Impurity B               | VS-M048002 | 28508-63-6   |
| 15008 | Metolazone EP Impurity C               | VS-M048003 | 28524-40-5   |
| 15009 | Metolazone EP Impurity D               | VS-M048004 | 4015-23-0    |
| 15010 | Metolazone EP Impurity E               | VS-M048005 | 23380-54-3   |
| 15011 | Metopimazine                           | VS-M049000 | 14008-44-7   |
| 15012 | Metoprolol Tartrate                    | VS-M050001 | 56392-17-7   |
| 15013 | Metoprolol Succinate                   | VS-M050002 | 98418-47-4   |
| 15014 | Metoprolol EP Impurity A               | VS-M050003 | 109632-08-8  |
| 15015 | Metoprolol EP Impurity B               | VS-M050004 | 56718-71-9   |
| 15016 | Metoprolol USP Related Compound B      | VS-M050005 | 56718-76-4   |
| 15017 | Metoprolol EP Impurity C(Oxalate salt) | VS-M050006 | 1639933-77-9 |
| 15018 | Metoprolol EP Impurity D               | VS-M050007 | 62572-90-1   |
| 15019 | Metoprolol EP Impurity E               | VS-M050008 | 163685-38-9  |
| 15020 | Metoprolol EP Impurity F               | VS-M050009 | 7695-63-8    |
| 15021 | Metoprolol EP Impurity G               | VS-M050010 | 501-94-0     |
| 15022 | Metoprolol EP Impurity H               | VS-M050011 | N/A          |
| 15023 | Metoprolol EP Impurity J               | VS-M050012 | 163685-37-8  |
| 15024 | Metoprolol EP Impurity M               | VS-M050013 | 73313-36-7   |
| 15025 | Metoprolol EP Impurity N               | VS-M050014 | 6452-57-9    |
| 15026 | Metoprolol EP Impurity O               | VS-M050015 | 1486464-40-7 |
| 15027 | Metoprolol Impurity T                  | VS-M050016 | 73723-85-0   |
| 15028 | Metoprolol Acid Ethyl Ester            | VS-M050017 | 29112-40-1   |
| 15029 | Metoprolol Acid Methyl Ester           | VS-M050018 | 29121-23-1   |
| 15030 | Metoprolol Acid Sodium Salt            | VS-M050019 | N/A          |
| 15031 | Metoprolol Bis Propanol                | VS-M050020 | 230975-30-1  |
| 15032 | Metoprolol Epoxy Ester Impurity        | VS-M050021 | 76805-25-9   |
| 15033 | Metoprolol Epoxy Impurity              | VS-M050022 | 122-60-1     |
| 15034 | Metoprolol Hydroxy Epoxide Impurity    | VS-M050023 | 104857-48-9  |
| 15035 | Metoprolol Hydroxy Ester Impurity      | VS-M050024 | 17138-28-2   |
| 15036 | Metoprolol Methoxy Epoxide Impurity    | VS-M050025 | 56718-70-8   |
| 15037 | Metoprolol R-Isomer                    | VS-M050026 | 81024-43-3   |
| 15038 | Metoprolol S-Isomer                    | VS-M050027 | 81024-42-2   |
| 15039 | 3-phenoxypropane-1,2-diol              | VS-M050028 | 538-43-2     |
| 15040 | Metoprolol lactose Adduct Impurity     | VS-M050029 | N/A          |
| 15041 | Metoprolol Process Impurity 4          | VS-M050030 | 84803-56-5   |
| 15042 | N-Nitrosometoprolol                    | VS-M050031 | 138768-62-4  |
| 15043 | Metoprolol Succinamide                 | VS-M050032 | N/A          |
| 15044 | Methyl 4 -(4-hydroxybutyl)benzoate     | VS-M050033 | 123910-88-3  |

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| 15045 | 2-(2-Methoxyethyl)phenol                                  | VS-M050034 | 330976-39-1  |
| 15046 | Metoprolol Impurity 1                                     | VS-M050035 | 32846-01-8   |
| 15047 | Metoprolol Impurity 2                                     | VS-M050036 | 13398-94-2   |
| 15048 | alpha-Hydroxy Metoprolol (Mixture of Diastereomers)       | VS-M050037 | 56392-16-6   |
| 15049 | Metoprolol EP Impurity O                                  | VS-M050038 | 154784-36-8  |
| 15050 | 1-Isopropylamino-3-[4-(2-methoxyethyl)phenoxy]-2-propanol | VS-M050039 | 51384-51-1   |
| 15051 | N-Desisopropyl Metoprolol                                 | VS-M050040 | 74027-60-4   |
| 15052 | Metoprolol Impurity 3                                     | VS-M050041 | 84697-14-3   |
| 15053 | Metoprolol-D7-N-Nitroso                                   | VS-M050042 | N/A          |
| 15054 | Metoprolol EP Impurity C                                  | VS-M050043 | 29122-74-5   |
| 15055 | Metronidazole                                             | VS-M051000 | 443-48-1     |
| 15056 | Metronidazole EP Impurity A                               | VS-M051001 | 696-23-1     |
| 15057 | Metronidazole EP Impurity B                               | VS-M051002 | 3034-38-6    |
| 15058 | Metronidazole EP Impurity C                               | VS-M051003 | 5006-69-9    |
| 15059 | Metronidazole EP Impurity D                               | VS-M051004 | 5006-68-8    |
| 15060 | Metronidazole EP Impurity E                               | VS-M051005 | 705-19-1     |
| 15061 | Metronidazole EP Impurity F                               | VS-M051006 | 16156-94-8   |
| 15062 | Metronidazole EP Impurity G                               | VS-M051007 | 1010-93-1    |
| 15063 | Metronidazole $\beta$ -D-Glucuronide                      | VS-M051008 | 100495-98-5  |
| 15064 | Metronidazole Benzoate                                    | VS-M051009 | 13182-89-3   |
| 15065 | Metronidazole Impurity 9                                  | VS-M051010 | N/A          |
| 15066 | Metronidazole Impurity 10                                 | VS-M051011 | N/A          |
| 15067 | Metronidazole Impurity 11                                 | VS-M051012 | N/A          |
| 15068 | Metronidazole Impurity 12                                 | VS-M051013 | N/A          |
| 15069 | Metronidazole Impurity 13                                 | VS-M051014 | N/A          |
| 15070 | Metronidazole Impurity 14                                 | VS-M051015 | 110578-73-9  |
| 15071 | Metronidazole Impurity 15                                 | VS-M051016 | 113385-77-6  |
| 15072 | Metronidazole Impurity 16                                 | VS-M051017 | 87009-72-1   |
| 15073 | Metronidazole Impurity 17                                 | VS-M051018 | 3034-41-1    |
| 15074 | Metronidazole Impurity 18                                 | VS-M051019 | 4812-40-2    |
| 15075 | N-Nitroso Metronidazole EP Impurity A                     | VS-M051020 | N/A          |
| 15076 | Metyrosine                                                | VS-M052000 | 672-87-7     |
| 15077 | (R)-alpha-Methyltyrosine                                  | VS-M052001 | 672-86-6     |
| 15078 | Mevastatin                                                | VS-M053000 | 73573-88-3   |
| 15079 | Mevastatin Hydroxy Acid Sodium Salt                       | VS-M053001 | 99782-89-5   |
| 15080 | Mexiletine Hydrochloride                                  | VS-M054001 | 04-01-70     |
| 15081 | Mexiletine Hydrochloride EP Impurity A                    | VS-M054002 | 576-26-1     |
| 15082 | Mexiletine Hydrochloride EP Impurity B                    | VS-M054003 | 53012-41-2   |
| 15083 | Mexiletine Hydrochloride EP Impurity C                    | VS-M054004 | 2059988-39-3 |
| 15084 | Mexiletine Hydrochloride EP Impurity D                    | VS-M054005 | N/A          |
| 15085 | 1-(2,6-Dimethylphenoxy)-2-propanone Oxime                 | VS-M054006 | 55304-19-3   |
| 15086 | 1-(2,4-dimethylphenoxy)propan-2-amine                     | VS-M054007 | 29238-40-2   |
| 15087 | 1-(2,5-dimethylphenoxy)propan-2-amine                     | VS-M054008 | 29361-43-1   |
| 15088 | Mexiletine Cyclic Imine Impurity                          | VS-M054009 | 284486-96-0  |
| 15089 | Mexiletine Impurity 1                                     | VS-M054010 | N/A          |
| 15090 | 2-Hydroxy-3-methylbenzaldehyde                            | VS-M054011 | 824-42-0     |
| 15091 | Mianserin Hydrochloride                                   | VS-M055001 | 21535-47-7   |

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| 15092 | Mianserin EP Impurity A                        | VS-M055002 | 57321-32-1   |
| 15093 | Mianserin EP Impurity B                        | VS-M055003 | N/A          |
| 15094 | Mianserin EP Impurity C                        | VS-M055004 | 5344-90-1    |
| 15095 | Mianserin EP Impurity D                        | VS-M055005 | 157994-98-4  |
| 15096 | Mianserin EP Impurity E                        | VS-M055006 | 71936-92-0   |
| 15097 | Mianserin EP Impurity F                        | VS-M055007 | 157995-00-1  |
| 15098 | Micafungin Sodium                              | VS-M056001 | 208538-73-2  |
| 15099 | Micafungin WF11899A Impurity                   | VS-M056002 | 160335-87-5  |
| 15100 | Micafungin Nucleus                             | VS-M056003 | 168110-44-9  |
| 15101 | Micafungin Side Chain Acid Methyl Ester        | VS-M056004 | 179162-64-2  |
| 15102 | Micafungin Side Chain Acid                     | VS-M056005 | 179162-55-1  |
| 15103 | Micafungin Side Chain Acid Benzotriazole Ester | VS-M056006 | 235112-66-0  |
| 15104 | Micafungin Impurity A                          | VS-M056007 | N/A          |
| 15105 | Micafungin Dessulfonic acid impurity           | VS-M056008 | 1392514-03-2 |
| 15106 | Micafungin Impurity C                          | VS-M056009 | N/A          |
| 15107 | Micafungin Impurity D                          | VS-M056010 | 539823-80-8  |
| 15108 | Deoxy Micafungin Impurity                      | VS-M056011 | 1392514-06-5 |
| 15109 | Micafungin Epimer Impurity                     | VS-M056012 | 1392514-05-4 |
| 15110 | Micafungin Open Ring Analog                    | VS-M056013 | 539823-82-0  |
| 15111 | Micafungin Impurity 1                          | VS-M056014 | N/A          |
| 15112 | Micafungin Impurity 2                          | VS-M056015 | N/A          |
| 15113 | Micafungin Serine Analog Impurity              | VS-M056016 | 1392514-04-3 |
| 15114 | Micafungin Desmethyl Impurity                  | VS-M056017 | N/A          |
| 15115 | Micafungin Deshydroxy Impurity                 | VS-M056018 | N/A          |
| 15116 | Micafungin Impurity 6                          | VS-M056019 | N/A          |
| 15117 | Micafungin Impurity 8                          | VS-M056020 | N/A          |
| 15118 | Miconazole                                     | VS-M057000 | 22916-47-8   |
| 15119 | Miconazole EP Impurity A                       | VS-M057001 | 24155-42-8   |
| 15120 | Miconazole EP Impurity B                       | VS-M057002 | 27220-47-9   |
| 15121 | Miconazole EP Impurity C                       | VS-M057003 | 67358-54-7   |
| 15122 | Miconazole EP Impurity D                       | VS-M057004 | 27523-40-6   |
| 15123 | Miconazole EP Impurity E                       | VS-M057005 | N/A          |
| 15124 | Miconazole EP Impurity F                       | VS-M057006 | 47447-55-2   |
| 15125 | Miconazole EP Impurity G                       | VS-M057007 | 909277-71-0  |
| 15126 | Miconazole EP Impurity H                       | VS-M057008 | 181931-30-6  |
| 15127 | Miconazole EP Impurity I                       | VS-M057009 | 47363-37-1   |
| 15128 | 2,4-Dichlorobenzyl chloride                    | VS-M057010 | 94-99-5      |
| 15129 | Miconazole Impurity 1                          | VS-M057011 | N/A          |
| 15130 | Miconazole Impurity F                          | VS-M057012 | 27220-35-5   |
| 15131 | Midodrine Hydrochloride                        | VS-M058000 | 3092-17-9    |
| 15132 | Midodrine USP Related Compound A (HCl)         | VS-M058001 | 60407-53-6   |
| 15133 | Midodrine Related compound B                   | VS-M058002 | N/A          |
| 15134 | Midodrine Related compound C                   | VS-M058003 | N/A          |
| 15135 | Midodrine 3-Bromo Impurity                     | VS-M058004 | 1797102-13-6 |
| 15136 | Midodrine Hydrochloride Impurity 1             | VS-M058005 | N/A          |
| 15137 | Midodrine Hydrochloride Impurity 2             | VS-M058006 | N/A          |
| 15138 | Midodrine Hydrochloride Impurity 3             | VS-M058007 | N/A          |

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| 15139 | Midodrine Hydrochloride Impurity 4    | VS-M058008 | 60681-97-2  |
| 15140 | Midodrine USP Related Compound A      | VS-M058009 | 3600-87-1   |
| 15141 | N-Nitroso Midodrine Impurity          | VS-M058010 | NA          |
| 15142 | Midostaurin                           | VS-M059000 | 120685-11-2 |
| 15143 | Midostaurin Impurity A                | VS-M059001 | 85753-43-1  |
| 15144 | Midostaurin Impurity B                | VS-M059002 | N/A         |
| 15145 | Midostaurin Impurity C                | VS-M059003 | N/A         |
| 15146 | Midostaurin Impurity D                | VS-M059004 | N/A         |
| 15147 | Midostaurin epi-7-OH MDS              | VS-M059005 | 945260-14-0 |
| 15148 | Midostaurin 7-OH MDS                  | VS-M059006 | 155848-20-7 |
| 15149 | Midostaurin 7-oxo MDS                 | VS-M059007 | 154589-96-5 |
| 15150 | O-Desmethyl Midostaurin (CGP62221)    | VS-M059008 | 740816-86-8 |
| 15151 | 3-Hydroxy Midostaurin                 | VS-M059009 | 179237-49-1 |
| 15152 | 7-Oxo Staurosporin                    | VS-M059010 | 125035-83-8 |
| 15153 | Staurosporine                         | VS-M059011 | 62996-74-1  |
| 15154 | 7-Epi-Hydroxystaurosporine            | VS-M059012 | 121569-61-7 |
| 15155 | 3'-O-Desmethyl Staurosporine          | VS-M059013 | 161743-35-7 |
| 15156 | Midostaurin Impurity 1                | VS-M059014 | 666838-30-8 |
| 15157 | Mifepristone                          | VS-M060000 | 84371-65-3  |
| 15158 | N-Desmethyl Mifepristone              | VS-M060001 | 104004-96-8 |
| 15159 | N-Didesmethyl Mifepristone            | VS-M060002 | 104004-92-4 |
| 15160 | Hydroxy Mifepristone                  | VS-M060003 | 105012-15-5 |
| 15161 | Mifepristone dioxolane impurity       | VS-M060004 | 84371-64-2  |
| 15162 | 11-ent-Mifepristone                   | VS-M060005 | N/A         |
| 15163 | Mifepristone Impurity                 | VS-M060006 | 5571-36-8   |
| 15164 | 11- $\alpha$ -dioxolane mifepristone  | VS-M060007 | N/A         |
| 15165 | N,N-Dimethylaniline                   | VS-M060008 | 121-69-7    |
| 15166 | Ethylene-ani-pynylone of Mifepristone | VS-M060009 | 104004-98-0 |
| 15167 | 11 $\alpha$ -isomer Mifepristone      | VS-M060010 | N/A         |
| 15168 | Mifepristone 17-Alpha Isomer          | VS-M060011 | N/A         |
| 15169 | Mifepristone Impurity 1               | VS-M060012 | N/A         |
| 15170 | Mifepristone Impurity 2               | VS-M060013 | N/A         |
| 15171 | Mifepristone Impurity 3               | VS-M060014 | 10109-53-2  |
| 15172 | Mifepristone Impurity 4               | VS-M060015 | N/A         |
| 15173 | Mifepristone Impurity 5               | VS-M060016 | N/A         |
| 15174 | Mifepristone Impurity 6               | VS-M060017 | N/A         |
| 15175 | Mifepristone Impurity 7               | VS-M060018 | 139113-48-7 |
| 15176 | Mifepristone Impurity 8               | VS-M060019 | 39931-87-8  |
| 15177 | Mifepristone Impurity 9               | VS-M060020 | 91934-77-9  |
| 15178 | Mifepristone Impurity 10              | VS-M060021 | 165878-37-5 |
| 15179 | Mifepristone Impurity 11              | VS-M060022 | 91934-95-1  |
| 15180 | Migalastat                            | VS-M061000 | 108147-54-2 |
| 15181 | Miglustat Impurity A                  | VS-M061001 | 253328-56-2 |
| 15182 | Miglustat Impurity B                  | VS-M061002 | 19684-32-3  |
| 15183 | Miglustat Impurity C                  | VS-M061003 | 19684-22-1  |
| 15184 | Miglustat Impurity D                  | VS-M061004 | 23323-37-7  |
| 15185 | Migalastat Monobenzylates Impurity    | VS-M061005 | N/A         |

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| 15186 | Migalastat N-methyl Impurity       | VS-M061006 | 141206-22-6  |
| 15187 | Migalastat Impurity 1              | VS-M061007 | 188779-13-7  |
| 15188 | Miglustat                          | VS-M062000 | 72599-27-0   |
| 15189 | Deoxynojirimycin                   | VS-M062001 | 19130-96-2   |
| 15190 | Miglustat Impurity 1               | VS-M062002 | 1938122-78-1 |
| 15191 | Miglustat Impurity 2               | VS-M062003 | 6674-22-2    |
| 15192 | Miglustat Impurity 3               | VS-M062004 | N/A          |
| 15193 | Miglustat Impurity 4               | VS-M062005 | 305379-00-4  |
| 15194 | Milbemycin Oxime                   | VS-M063001 | 129496-10-2  |
| 15195 | Milbemycin EP Impurity A           | VS-M063002 | 51596-11-3   |
| 15196 | Milbemycin EP Impurity B           | VS-M063003 | 51596-10-2   |
| 15197 | Milbemycin EP Impurity C           | VS-M063004 | 77855-81-3   |
| 15198 | Milbemycin EP Impurity D           | VS-M063005 | N/A          |
| 15199 | Milbemycin EP Impurity E           | VS-M063006 | 86691-97-6   |
| 15200 | Milbemycin EP Impurity F           | VS-M063007 | 86691-98-7   |
| 15201 | Milbemycin EP Impurity G           | VS-M063008 | 93074-02-3   |
| 15202 | Milbemycin EP Impurity H           | VS-M063009 | N/A          |
| 15203 | Milbemycin EP Impurity I           | VS-M063010 | N/A          |
| 15204 | Milbemycin A3 Oxime                | VS-M063011 | 114177-14-9  |
| 15205 | Milbemycin A4 Oxime                | VS-M063012 | 93074-04-5   |
| 15206 | Mildronate                         | VS-M064000 | 76144-81-5   |
| 15207 | Milnacipran Hydrochloride          | VS-M064001 | 101152-94-7  |
| 15208 | Milnacipran EP Impurity L          | VS-M064002 | 153275-06-0  |
| 15209 | Milnacipran Methyl Amine Impurity  | VS-M064003 | 165259-91-6  |
| 15210 | Milnacipran Impurity 1             | VS-M064004 | 66823-04-9   |
| 15211 | (1S-cis)-Milnacipran Hydrochloride | VS-M064005 | 175131-60-9  |
| 15212 | Milrinone                          | VS-M065000 | 78415-72-2   |
| 15213 | Milrinone USP Related Compound A   | VS-M065001 | 80047-24-1   |
| 15214 | Milrinone Impurity 1               | VS-M065002 | 99462-32-5   |
| 15215 | Milrinone Impurity 2               | VS-M065003 | 400063-10-7  |
| 15216 | Milrinone Impurity 3               | VS-M065004 | 98293-81-3   |
| 15217 | Milrinone Impurity 5               | VS-M065005 | 1443528-66-2 |
| 15218 | Milrinone Impurity 6               | VS-M065006 | 88349-61-5   |
| 15219 | Milrinone Impurity 7               | VS-M065007 | N/A          |
| 15220 | Milrinone Impurity 8               | VS-M065008 | 80442-07-5   |
| 15221 | Milrinone Impurity 9               | VS-M065009 | 106637-42-7  |
| 15222 | Milrinone Impurity 11              | VS-M065010 | 88349-61-5   |
| 15223 | Milrinone Impurity 12              | VS-M065011 | 80047-38-7   |
| 15224 | Milrinone Impurity 13              | VS-M065012 | 717818-05-8  |
| 15225 | Milrinone Impurity 14              | VS-M065013 | N/A          |
| 15226 | Milrinone Impurity 15              | VS-M065014 | 156033-07-7  |
| 15227 | Milrinone Impurity 16              | VS-M065015 | 2244529-59-5 |
| 15228 | Milrinone Impurity 18              | VS-M065016 | N/A          |
| 15229 | Milrinone Impurity 19              | VS-M065017 | 851345-36-3  |
| 15230 | Minocycline Hydrochloride          | VS-M066001 | 13614-98-7   |
| 15231 | Minocycline EP Impurity A          | VS-M066002 | 43168-51-0   |
| 15232 | Minocycline EP Impurity B          | VS-M066003 | 6625-20-3    |

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| 15233 | Minocycline EP Impurity C          | VS-M066004 | 4708-96-7    |
| 15234 | Minocycline EP Impurity D          | VS-M066005 | 5679-00-5    |
| 15235 | Minocycline EP Impurity E          | VS-M066006 | 864073-42-7  |
| 15236 | Minocycline EP Impurity F          | VS-M066007 | 1075240-33-3 |
| 15237 | Minocycline EP Impurity G          | VS-M066008 | 601455-95-2  |
| 15238 | Minocycline EP Impurity I          | VS-M066009 | 5874-95-3    |
| 15239 | Sancycline                         | VS-M066010 | 808-26-4     |
| 15240 | 5 $\alpha$ ,6-anhydro Minocycline  | VS-M066011 | 19119-14-3   |
| 15241 | 9-Nitro Minocycline sulfate salt   | VS-M066012 | 153621-80-8  |
| 15242 | Minocycline 9-Methylamino Impurity | VS-M066013 | 607402-73-3  |
| 15243 | Minocycline 5,6a-Dehydro Impurity  | VS-M066014 | 1346598-44-4 |
| 15244 | 7-Ethylmethylamino Analogue        | VS-M066015 | 32598-29-1   |
| 15245 | Minocycline Dehydro Analogue       | VS-M066016 | N/A          |
| 15246 | Minocycline Aminoethyl Derivative  | VS-M066017 | 4756-93-8    |
| 15247 | Minocycline Impurity 1             | VS-M066018 | N/A          |
| 15248 | Minocycline Impurity 2             | VS-M066019 | N/A          |
| 15249 | Minocycline Impurity 3             | VS-M066020 | N/A          |
| 15250 | Minocycline Impurity 4             | VS-M066021 | N/A          |
| 15251 | Minocycline Impurity 5             | VS-M066022 | 4769-39-5    |
| 15252 | Minocycline Impurity 6             | VS-M066023 | N/A          |
| 15253 | Minocycline Impurity 7             | VS-M066024 | N/A          |
| 15254 | Minocycline Impurity 8             | VS-M066025 | N/A          |
| 15255 | Minocycline Impurity 9             | VS-M066026 | N/A          |
| 15256 | Minocycline Impurity 12            | VS-M066027 | 2379864-75-0 |
| 15257 | Minocycline Impurity 13            | VS-M066028 | N/A          |
| 15258 | Minocycline Impurity 14            | VS-M066029 | N/A          |
| 15259 | Minocycline Impurity 15            | VS-M066030 | N/A          |
| 15260 | Minocycline Impurity 16            | VS-M066031 | N/A          |
| 15261 | Minocycline Impurity 17            | VS-M066032 | 17807-43-1   |
| 15262 | Minocycline Impurity 18            | VS-M066033 | N/A          |
| 15263 | Minocycline Impurity 19            | VS-M066034 | N/A          |
| 15264 | Minocycline Impurity 20            | VS-M066035 | N/A          |
| 15265 | Minocycline Impurity 21            | VS-M066036 | N/A          |
| 15266 | Minocycline Impurity 22            | VS-M066037 | 149934-26-9  |
| 15267 | Minocycline Impurity 23            | VS-M066038 | 149934-28-1  |
| 15268 | Minocycline Impurity 24            | VS-M066039 | N/A          |
| 15269 | Minocycline Impurity 25            | VS-M066040 | N/A          |
| 15270 | Minocycline Impurity 26            | VS-M066041 | N/A          |
| 15271 | Minocycline Impurity 27            | VS-M066042 | N/A          |
| 15272 | Minocycline Impurity 28            | VS-M066043 | N/A          |
| 15273 | Minocycline Impurity 29            | VS-M066044 | N/A          |
| 15274 | Minocycline Impurity 30            | VS-M066045 | N/A          |
| 15275 | Minocycline Impurity 31            | VS-M066046 | N/A          |
| 15276 | Minocycline Impurity 32            | VS-M066047 | N/A          |
| 15277 | Minocycline Impurity 33            | VS-M066048 | N/A          |
| 15278 | Minocycline Impurity 34            | VS-M066049 | 156263-28-4  |
| 15279 | Minocycline                        | VS-M066050 | 10118-90-8   |

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| 15280 | N-nitroso Desmethyl Minocycline 1  | VS-M066051 | NA           |
| 15281 | N-nitroso Desmethyl Minocycline 2  | VS-M066052 | NA           |
| 15282 | Minoxidil                          | VS-M067000 | 38304-91-5   |
| 15283 | Minoxidil Glucuronide              | VS-M067001 | 56828-40-1   |
| 15284 | Minoxidil EP Impurity A            | VS-M067002 | 35139-67-4   |
| 15285 | Minoxidil EP Impurity B            | VS-M067003 | 156-83-2     |
| 15286 | Minoxidil Impurity C               | VS-M067004 | N/A          |
| 15287 | Minoxidil Impurity D               | VS-M067005 | 75105-16-7   |
| 15288 | Minoxidil EP Impurity E            | VS-M067006 | 24867-26-3   |
| 15289 | 2,4,6-Triaminopyrimidine           | VS-M067007 | 1004-38-2    |
| 15290 | 5,6-dichloropyrimidine-2,4-diamine | VS-M067008 | 89033-89-6   |
| 15291 | Minoxidil Impurity 1               | VS-M067009 | 35139-68-5   |
| 15292 | Minoxidil Impurity 2               | VS-M067010 | 1784008-01-0 |
| 15293 | Minoxidil Impurity 3               | VS-M067011 | N/A          |
| 15294 | Minoxidil Impurity 4               | VS-M067012 | 74638-76-9   |
| 15295 | Minoxidil Impurity 5               | VS-M067013 | 3270-97-1    |
| 15296 | Mirabegron                         | VS-M068000 | 223673-61-8  |
| 15297 | Mirabegron Impurity A              | VS-M068001 | 29676-71-9   |
| 15298 | Mirabegron Impurity B              | VS-M068002 | 1684453-05-1 |
| 15299 | Mirabegron Impurity C              | VS-M068003 | 391901-45-4  |
| 15300 | Mirabegron Impurity D              | VS-M068004 | N/A          |
| 15301 | Mirabegron Impurity F              | VS-M068005 | 2184223-32-1 |
| 15302 | Mirabegron Impurity G              | VS-M068006 | N/A          |
| 15303 | Mirabegron M5                      | VS-M068007 | 1365244-63-8 |
| 15304 | Mirabegron M8                      | VS-M068008 | 1365244-64-9 |
| 15305 | Mirabegron M9                      | VS-M068009 | 18699-02-0   |
| 15306 | Mirabegron M11 Lithium Salt        | VS-M068010 | N/A          |
| 15307 | Mirabegron M12                     | VS-M068011 | 1365244-66-1 |
| 15308 | Mirabegron M13                     | VS-M068012 | 1365244-67-2 |
| 15309 | Mirabegron M14                     | VS-M068013 | 1365244-68-3 |
| 15310 | Mirabegron M15                     | VS-M068014 | N/A          |
| 15311 | Mirabegron M17                     | VS-M068015 | N/A          |
| 15312 | Mirabegron Deshydroxy Impurity     | VS-M068016 | 1581284-82-3 |
| 15313 | 4-Nitroaniline Hydrochloride       | VS-M068017 | 15873-51-5   |
| 15314 | Mirabegron Stage-1 Impurity        | VS-M068018 | 521284-19-5  |
| 15315 | Mirabegron Impurity 1              | VS-M068019 | 1796931-48-0 |
| 15316 | Mirabegron Impurity 2              | VS-M068020 | 2489747-26-2 |
| 15317 | Mirabegron Impurity 4              | VS-M068021 | 1684452-83-2 |
| 15318 | Mirabegron Impurity 5              | VS-M068022 | 2036283-13-1 |
| 15319 | Mirabegron Impurity 8              | VS-M068023 | 1684452-81-0 |
| 15320 | Mirabegron Impurity 9              | VS-M068024 | 1684452-80-9 |
| 15321 | Mirabegron Impurity 10             | VS-M068025 | N/A          |
| 15322 | Mirabegron Impurity 11             | VS-M068026 | 1684452-85-4 |
| 15323 | Mirabegron Impurity 12             | VS-M068027 | N/A          |
| 15324 | Mirabegron Impurity 13             | VS-M068028 | N/A          |
| 15325 | Mirabegron Impurity 14             | VS-M068029 | 1884645-24-2 |
| 15326 | Mirabegron Impurity 15             | VS-M068030 | N/A          |



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| 15327 | Mirabegron Impurity 16                   | VS-M068031 | 1884645-79-7 |
| 15328 | Mirabegron Impurity 17                   | VS-M068032 | 1884646-38-1 |
| 15329 | Mirabegron Impurity 18                   | VS-M068033 | N/A          |
| 15330 | Mirabegron Impurity 19                   | VS-M068034 | N/A          |
| 15331 | Mirabegron Impurity 20                   | VS-M068035 | 2514697-44-8 |
| 15332 | Mirabegron Impurity 21                   | VS-M068036 | 2514676-51-6 |
| 15333 | Mirabegron Impurity 22 Lithium Salt      | VS-M068037 | N/A          |
| 15334 | Mirabegron Impurity 24                   | VS-M068038 | 33100-15-1   |
| 15335 | Mirabegron Impurity 25                   | VS-M068039 | 2193505-55-2 |
| 15336 | Mirabegron Impurity 27                   | VS-M068040 | 1624261-01-3 |
| 15337 | Mirabegron Impurity 28                   | VS-M068041 | 1684452-87-6 |
| 15338 | Mirabegron Impurity 29                   | VS-M068042 | N/A          |
| 15339 | Mirabegron Impurity 30                   | VS-M068043 | 83303-98-4   |
| 15340 | Mirabegron Impurity 31                   | VS-M068044 | 1154949-80-0 |
| 15341 | Mirabegron Impurity 32                   | VS-M068045 | 1310279-36-7 |
| 15342 | Mirabegron Impurity 33                   | VS-M068046 | 1684452-82-1 |
| 15343 | Mirabegron Impurity 35                   | VS-M068047 | 223673-34-5  |
| 15344 | Mirabegron Impurity 36                   | VS-M068048 | N/A          |
| 15345 | Mirabegron Impurity 37                   | VS-M068049 | N/A          |
| 15346 | Mirabegron Impurity 38                   | VS-M068050 | N/A          |
| 15347 | Mirabegron Impurity 39                   | VS-M068051 | N/A          |
| 15348 | Mirabegron Impurity 40                   | VS-M068052 | N/A          |
| 15349 | Mirabegron Impurity 41                   | VS-M068053 | N/A          |
| 15350 | Mirabegron Impurity 42                   | VS-M068054 | N/A          |
| 15351 | Mirabegron Impurity 43                   | VS-M068055 | N/A          |
| 15352 | Mirabegron Impurity 44                   | VS-M068056 | 32897-26-0   |
| 15353 | Mirabegron Impurity 45                   | VS-M068057 | N/A          |
| 15354 | Mirabegron Impurity 46                   | VS-M068058 | N/A          |
| 15355 | Mirabegron Impurity 47                   | VS-M068059 | 01-07-70     |
| 15356 | Mirabegron Impurity 48                   | VS-M068060 | N/A          |
| 15357 | Mirabegron Impurity 49                   | VS-M068061 | N/A          |
| 15358 | Mirabegron Impurity 50                   | VS-M068062 | N/A          |
| 15359 | Mirabegron Impurity 51                   | VS-M068063 | N/A          |
| 15360 | Mirabegron Impurity 52                   | VS-M068064 | 33100-16-2   |
| 15361 | Mirabegron Impurity 53                   | VS-M068065 | 53266-94-7   |
| 15362 | Mirabegron Impurity 54                   | VS-M068066 | N/A          |
| 15363 | Mirabegron Impurity 55                   | VS-M068067 | N/A          |
| 15364 | Mirabegron Impurity A                    | VS-M068068 | 521284-21-9  |
| 15365 | Mirabegron Impurity E (HCl)              | VS-M068069 | 29968-78-3   |
| 15366 | Mirabegron Impurity G (2HCl)             | VS-M068070 | N/A          |
| 15367 | Mirabegron Nitroso Impurity 1            | VS-M068071 | N/A          |
| 15368 | 3-Nitrophenethylamine Hydrochloride      | VS-M068072 | 19008-62-9   |
| 15369 | Mirabegron N-Nitroso Deshydroxy Impurity | VS-M068073 | N/A          |
| 15370 | Mirabegron Nitroso diamide 2             | VS-M068074 | N/A          |
| 15371 | N-Nitroso Mirabegron                     | VS-M068075 | N/A          |
| 15372 | N-Nitroso S-Mirabegron                   | VS-M068076 | N/A          |
| 15373 | Miriplitin                               | VS-M069000 | 141977-79-9  |

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| 15374 | Miriplatin Impurity 1                      | VS-M069001 | 61848-62-2  |
| 15375 | Miriplatin Impurity 2                      | VS-M069002 | 63058-74-2  |
| 15376 | Mirtazapine                                | VS-M070000 | 85650-52-8  |
| 15377 | Mirtazapine Carboxylic Acid                | VS-M070001 | 61338-13-4  |
| 15378 | Mirtazapine Cyano Impurity                 | VS-M070002 | 61337-88-0  |
| 15379 | Mirtazapine EP Impurity A                  | VS-M070003 | 155172-12-6 |
| 15380 | Mirtazapine EP Impurity B                  | VS-M070004 | 61337-89-1  |
| 15381 | Mirtazapine EP Impurity C                  | VS-M070005 | 191546-96-0 |
| 15382 | Mirtazapine EP Impurity D                  | VS-M070006 | 61337-68-6  |
| 15383 | Mirtazapine EP Impurity E                  | VS-M070007 | 191546-94-8 |
| 15384 | Mirtazapine EP Impurity F                  | VS-M070008 | 191546-97-1 |
| 15385 | 8-Hydroxy Mirtazapine                      | VS-M070009 | 102335-57-9 |
| 15386 | (R)-Mirtazapine                            | VS-M070010 | 61364-37-2  |
| 15387 | (S)-Mirtazapine                            | VS-M070011 | 61337-87-9  |
| 15388 | Mirtazapine Intermediate 1                 | VS-M070012 | 5271-27-2   |
| 15389 | Mirtazapine Impurity 1                     | VS-M070013 | 5271-29-4   |
| 15390 | Mirtazapine Impurity 2                     | VS-M070014 | 89284-61-7  |
| 15391 | Mirtazapine Impurity 3                     | VS-M070015 | 23175-16-8  |
| 15392 | N-Nitroso Mirtazapine EP Impurity D        | VS-M070016 | NA          |
| 15393 | Methyl ester Miscellaneous                 | VS-M071001 | 100047-54-9 |
| 15394 | p-Anisic Acid                              | VS-M071002 | 100-09-4    |
| 15395 | 4-(Dimethylamino)benzaldehyde              | VS-M071003 | 100-10-7    |
| 15396 | Hydrobromic Acid                           | VS-M071004 | 10035-10-6  |
| 15397 | 2-Hydroxy-5-Picoline                       | VS-M071005 | 1003-68-5   |
| 15398 | Styrene                                    | VS-M071006 | 100-42-5    |
| 15399 | Benzylamine                                | VS-M071007 | 100-46-9    |
| 15400 | Benzyltrimethylammonium Hydroxide          | VS-M071008 | 100-85-6    |
| 15401 | 2-methyl-1-phenylpropan-2-ol               | VS-M071009 | 100-86-7    |
| 15402 | 4-Acetamido-3-hydroxybenzoic acid          | VS-M071010 | 10098-40-5  |
| 15403 | Methyl Phenylacetate                       | VS-M071011 | 101-41-7    |
| 15404 | 2,6-Dimethyl-4-(6-phenylhexyl)morpholine   | VS-M071012 | 101807-59-4 |
| 15405 | Acetaldehyde-2,4-DNPH                      | VS-M071013 | 1019-57-4   |
| 15406 | 3,5-Dichlorobenzaldehyde                   | VS-M071014 | 10203-08-4  |
| 15407 | 2-Bromo-4-Cyanopyridine                    | VS-M071015 | 10386-27-3  |
| 15408 | 3,5-diiodo-2-methylbenzoic acid            | VS-M071016 | 10388-25-7  |
| 15409 | 1-Chloro-3-(4-methylpiperazin-1-yl)propane | VS-M071017 | 104-16-5    |
| 15410 | p-Anisidine                                | VS-M071018 | 104-94-9    |
| 15411 | Methyl Acetoacetate                        | VS-M071019 | 105-45-3    |
| 15412 | 6-Deoxy-3,4- Isopropylidene L-allitol      | VS-M071020 | 105617-51-4 |
| 15413 | Nitroethylmethyl Amine(NMEA)               | VS-M071021 | 10595-95-6  |
| 15414 | Chloramine                                 | VS-M071022 | 10599-90-3  |
| 15415 | p-Xylene                                   | VS-M071023 | 106-42-3    |
| 15416 | 4-Chlorotoluene                            | VS-M071024 | 106-43-4    |
| 15417 | 4-Methyl Benzenethiole                     | VS-M071025 | 106-45-6    |
| 15418 | P-Benzoquinone                             | VS-M071026 | 106-51-4    |
| 15419 | Trimethylsilanol                           | VS-M071027 | 1066-40-6   |
| 15420 | Dimethyl Succinate                         | VS-M071028 | 106-65-0    |

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| 15421 | Allyl Chloride                        | VS-M071029 | 107-05-1     |
| 15422 | 1-Bromo-2-Fluorobenzene               | VS-M071030 | 1072-85-1    |
| 15423 | 2-Amino-5-Bromo pyrimidine            | VS-M071031 | 1072-97-5    |
| 15424 | Hexamethyldisiloxane                  | VS-M071032 | 107-46-0     |
| 15425 | 2-(Dimethylamino) ethanol             | VS-M071033 | 108-01-0     |
| 15426 | Propylene Carbonate                   | VS-M071034 | 108-32-7     |
| 15427 | m-Xylene                              | VS-M071035 | 108-38-3     |
| 15428 | 3-Methyl Benzenethiole                | VS-M071036 | 108-40-7     |
| 15429 | 3-chloroaniline                       | VS-M071037 | 108-42-9     |
| 15430 | 3-Chlorophenol                        | VS-M071038 | 108-43-0     |
| 15431 | 2-Hydroxy-4,6-dimethylpyrimidine      | VS-M071039 | 108-79-2     |
| 15432 | Cyanuric acid                         | VS-M071040 | 108-80-5     |
| 15433 | Propyl Acetate                        | VS-M071041 | 109-60-4     |
| 15434 | N-Butyl Bromide                       | VS-M071042 | 109-65-9     |
| 15435 | Tetrahydrofuran                       | VS-M071043 | 109-99-9     |
| 15436 | Succinic Acid                         | VS-M071044 | 110-15-6     |
| 15437 | Maleic Acid                           | VS-M071045 | 110-16-7     |
| 15438 | Aescin                                | VS-M071046 | 11072-93-8   |
| 15439 | Pyridine                              | VS-M071047 | 110-86-1     |
| 15440 | Tridocosahexaenoin                    | VS-M071048 | 11094-59-0   |
| 15441 | Pimelic Acid                          | VS-M071049 | 111-16-0     |
| 15442 | L-Threonine O-phosphate               | VS-M071050 | 1114-81-4    |
| 15443 | Stearoyl Ethanolamide                 | VS-M071051 | 111-57-9     |
| 15444 | Methyl Palmitoleate                   | VS-M071052 | 1120-25-8    |
| 15445 | 3-Hydroxy 2-Methyl-Pyridine           | VS-M071053 | 1121-25-1    |
| 15446 | 2-Acetyl Pyridine                     | VS-M071054 | 1122-62-9    |
| 15447 | 4-Nitro Pyridine N-Oxide              | VS-M071055 | 1124-33-0    |
| 15448 | 1-Dodecanethiol                       | VS-M071056 | 112-55-0     |
| 15449 | 4-Tert-butylbenzenesulfonic acid      | VS-M071057 | 1133-17-1    |
| 15450 | 2-Aminopentan-3-Ol                    | VS-M071058 | 116836-16-9  |
| 15451 | Diphenylacetic Acid                   | VS-M071059 | 117-34-0     |
| 15452 | 6,7-dihydroxy-3-methylcinnoline       | VS-M071060 | 1176784-51-2 |
| 15453 | Stearidonic Acid Ethyl Ester          | VS-M071061 | 119798-44-6  |
| 15454 | D-Glucono-1,4-lactone                 | VS-M071062 | 1198-69-2    |
| 15455 | Naphthalene-2-sulfonic Acid           | VS-M071063 | 120-18-3     |
| 15456 | Ethylparaben                          | VS-M071064 | 120-47-8     |
| 15457 | Piperonal                             | VS-M071065 | 120-57-0     |
| 15458 | 1,2,4-trichlorobenzene                | VS-M071066 | 120-82-1     |
| 15459 | Vanillin                              | VS-M071067 | 121-33-5     |
| 15460 | 3-Amino benzene sulfonic acid         | VS-M071068 | 121-47-1     |
| 15461 | 3-Amino-4-Chloro Benzo Trifluoride    | VS-M071069 | 121-50-6     |
| 15462 | Succinimide                           | VS-M071070 | 123-56-8     |
| 15463 | Crotonaldehyde                        | VS-M071071 | 123-73-9     |
| 15464 | Azelaic acid                          | VS-M071072 | 123-99-9     |
| 15465 | Didocosahexaenoin                     | VS-M071073 | 124538-05-2  |
| 15466 | 2-Amino-2-methyl-1-propanol           | VS-M071074 | 124-68-5     |
| 15467 | 5-Deoxy-3,4-O-Isopropylidene-L-Ribose | VS-M071075 | 124928-70-7  |

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| 15468 | 3-(Methylpentylamino)-propanamide                                                                  | VS-M071076  | 1250714-48-7 |
| 15469 | Sulfolane                                                                                          | VS-M071077  | 126-33-0     |
| 15470 | Acetone Oxime                                                                                      | VS-M071078  | 127-06-0     |
| 15471 | Butylated Hydroxy Toluene                                                                          | VS-M071079  | 128-37-0     |
| 15472 | 2-Hydroxyphenylpropanone                                                                           | VS-M071080  | 13100-05-5   |
| 15473 | Dimethyl Phthalate                                                                                 | VS-M071081  | 131-11-3     |
| 15474 | Dipropyl Phthalate                                                                                 | VS-M071082  | 131-16-8     |
| 15475 | Diallyl Phthalate                                                                                  | VS-M071083  | 131-17-9     |
| 15476 | 2,2',4,4'-Tetrahydroxybenzophenone                                                                 | VS-M071084  | 131-55-5     |
| 15477 | 3-(2-Pyridinyl)-2-propen-1-ol                                                                      | VS-M071085  | 131610-03-2  |
| 15478 | 2,3-O-Isopropylidene D-Ribose                                                                      | VS-M071086  | 13199-25-2   |
| 15479 | 2-Amino-5-Iodobenzonitrile                                                                         | VS-M071087  | 132131-24-9  |
| 15480 | N-Methyl-3-pirrolydinol                                                                            | VS-M071088  | 13220-33-2   |
| 15481 | D-Glucol Standard                                                                                  | VS-M071089  | 13265-84-4   |
| 15482 | 3-Iodo-2-methylbenzoic acid                                                                        | VS-M071090  | 133232-56-1  |
| 15483 | DL-Tartaric Acid                                                                                   | VS-M071091  | 133-37-9     |
| 15484 | Methyl-2-aminobenzoate                                                                             | VS-M071092  | 134-20-3     |
| 15485 | Pneumocandin B0                                                                                    | VS-M071093  | 135575-42-7  |
| 15486 | 1,3-Diphenyltriazene                                                                               | VS-M071094  | 136-35-6     |
| 15487 | Propionate Sodium                                                                                  | VS-M071095  | 137-40-6     |
| 15488 | Metam Sodium                                                                                       | VS-M071096  | 137-42-8     |
| 15489 | 1-Benzhydryl-4-methoxybenzene                                                                      | VS-M071097  | 13865-56-0   |
| 15490 | (S)-4-Chloro Butane-1,3-Diol                                                                       | VS-M071098  | 139013-68-6  |
| 15491 | Phenyl Acetonitrile                                                                                | VS-M071099  | 140-29-4     |
| 15492 | Monodocosahexaenoin                                                                                | VS-M071100  | 140670-40-2  |
| 15493 | Methyl Myristate                                                                                   | VS-M0711000 | 124-10-7     |
| 15494 | Methyl Palmitate                                                                                   | VS-M0711001 | 112-39-0     |
| 15495 | Oleyl Alcohol                                                                                      | VS-M0711002 | 143-28-2     |
| 15496 | Methyl Caproate                                                                                    | VS-M0711003 | 106-70-7     |
| 15497 | Methyl Dodecanoate                                                                                 | VS-M0711004 | 111-82-0     |
| 15498 | 4-Cyclopropylaniline                                                                               | VS-M0711005 | 3158-71-2    |
| 15499 | 3-Chloro-N-methylpropan-1-amine                                                                    | VS-M0711006 | 65232-62-4   |
| 15500 | Imidazole acetic acid                                                                              | VS-M0711007 | 645-65-8     |
| 15501 | Zinc Methionate                                                                                    | VS-M0711008 | 40816-51-1   |
| 15502 | D-Mannose                                                                                          | VS-M0711009 | 3458-28-4    |
| 15503 | Ricinolic Acid                                                                                     | VS-M071101  | 141-22-0     |
| 15504 | D-(-)-Quinic Acid                                                                                  | VS-M0711010 | 77-95-2      |
| 15505 | 9-acetylanthracene                                                                                 | VS-M0711011 | 784-04-3     |
| 15506 | Tetramethylammonium Hydroxide                                                                      | VS-M0711012 | 75-59-2      |
| 15507 | 3-acetyl-2-hydroxybenzamide                                                                        | VS-M0711013 | 244287-09-0  |
| 15508 | (2E,4R)-4-(1'-cyclohexyl-1-phenyl)-4-yl methyl-4-tertbutoxycarbonyl) amino-2-methyl-2-butenic acid | VS-M0711014 | NA           |
| 15509 | (2-Chlorophenyl)methanesulfonyl chloride                                                           | VS-M0711015 | 77421-13-7   |
| 15510 | Acetic acid                                                                                        | VS-M0711016 | 64-19-7      |
| 15511 | Hexadecane                                                                                         | VS-M0711017 | 544-76-3     |
| 15512 | 2,4-dinitrofluorobenzene                                                                           | VS-M0711018 | 70-34-8      |
| 15513 | 1,3-dihydroxynaphthalene                                                                           | VS-M0711019 | 132-86-5     |

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|-------|--------------------------------------------------|-------------|--------------|
| 15514 | Glycolaldehyde                                   | VS-M071102  | 141-46-8     |
| 15515 | Sodium metabisulfite                             | VS-M0711020 | 7681-57-4    |
| 15516 | Trimethyl citrate                                | VS-M0711021 | 1587-20-8    |
| 15517 | o-Toluic Acid                                    | VS-M0711022 | 118-90-1     |
| 15518 | Ethylenediaminetetraacetic Acid Disodium Salt    | VS-M0711023 | 139-33-3     |
| 15519 | Isopropyl Alcohol                                | VS-M0711024 | 67-63-0      |
| 15520 | Methyl Caprylate                                 | VS-M0711025 | 111-11-5     |
| 15521 | Methyl Caprate                                   | VS-M0711026 | 110-42-9     |
| 15522 | Lauric Acid                                      | VS-M0711027 | 143-07-7     |
| 15523 | Myristic Acid                                    | VS-M0711028 | 544-63-8     |
| 15524 | 2,6-Dichloropyridin-4-amine                      | VS-M0711029 | 2587-02-2    |
| 15525 | Thiouracil                                       | VS-M071103  | 141-90-2     |
| 15526 | R-tetrahydrofuran-3-ol                           | VS-M0711030 | 86087-24-3   |
| 15527 | Lanthanum carbonate octahydrate                  | VS-M0711031 | 6487-39-4    |
| 15528 | Dihydro-2H-pyran-3(4H)-one                       | VS-M0711032 | 23462-75-1   |
| 15529 | 4-Nitroguaiacol                                  | VS-M0711033 | 3251-56-7    |
| 15530 | SODIUM TRICHLOROACETATE                          | VS-M0711034 | 650-51-1     |
| 15531 | Icariin                                          | VS-M0711035 | 489-32-7     |
| 15532 | methyl 2-(bromomethyl)-6-methylbenzoate          | VS-M0711036 | 56427-77-1   |
| 15533 | 3,5-Di-tert-butyl-o-benzoquinone                 | VS-M0711037 | 3383-21-9    |
| 15534 | 4-Chloro-3-methoxy-2-methylpyridine              | VS-M0711038 | 107512-34-5  |
| 15535 | 2-Cyclopropyl-4-phenyl-3-quinolinemethanol       | VS-M0711039 | 2153433-73-7 |
| 15536 | Isopropyl Ethane Sulfonate                       | VS-M071104  | 14245-62-6   |
| 15537 | Solvent Blue 35                                  | VS-M0711040 | 17354-14-2   |
| 15538 | 2-Chloro-4,5-dimethoxybenzoic acid               | VS-M0711041 | 60032-95-3   |
| 15539 | 2-Chloro-3,4-dimethoxybenzoic acid               | VS-M0711042 | 52009-53-7   |
| 15540 | 3-Chloro-4,5-dimethoxybenzoic acid               | VS-M0711043 | 20624-87-7   |
| 15541 | Maltose Monohydrate                              | VS-M0711044 | 6363-53-7    |
| 15542 | 1-tert-Butyl 3-ethyl azetidine-1,3-dicarboxylate | VS-M0711045 | 1346674-10-9 |
| 15543 | Sodium Azide                                     | VS-M0711046 | 26628-22-8   |
| 15544 | 3-bromo-7-(4-bromobenzoyl)indole                 | VS-M0711047 | 1279501-08-4 |
| 15545 | (2-Hydroxyphenyl)diphenylphosphine               | VS-M0711048 | 60254-10-6   |
| 15546 | 7-hydroxyquinolin-2(1H)-one                      | VS-M0711049 | 70500-72-0   |
| 15547 | Myristoyl Ethanolamide                           | VS-M071105  | 142-58-5     |
| 15548 | 5-chloro-3-fluoro-2-nitropyridine                | VS-M0711050 | 1064783-29-4 |
| 15549 | Cyclo-S8                                         | VS-M0711051 | 10544-50-0   |
| 15550 | 1-Chloro-6,6-dimethyl-2-heptene-4-yne            | VS-M0711052 | 126764-17-8  |
| 15551 | 1-(3-chloro-3-phenylpropoxy)naphthalene          | VS-M0711053 | 1445281-25-3 |
| 15552 | pyrylium tetrafluoroborate                       | VS-M0711054 | 80279-50-1   |
| 15553 | Methyl 12-Hydroxystearate                        | VS-M0711055 | 141-23-1     |
| 15554 | Methyl arachidate                                | VS-M0711056 | 1120-28-1    |
| 15555 | Benzaldehyde                                     | VS-M0711057 | 100-52-7     |
| 15556 | 4,6-Dimethoxy-1,3,5-triazin-2(1H)-one            | VS-M0711058 | 1075-59-8    |
| 15557 | 2,4-DIFLUOROBENZOIC ACID                         | VS-M0711059 | 1583-58-0    |
| 15558 | 5-Methyl-N,N-diphenylpyridin-2-amine             | VS-M071106  | 1445086-62-3 |
| 15559 | Methyl 2,4-Difluorobenzoate                      | VS-M0711060 | 106614-28-2  |
| 15560 | 1H-Pyrrolo[2,3-b]pyridin-5-ol                    | VS-M0711061 | 98549-88-3   |

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| 15561 | Methyl 4-Fluoro-2-{1H-pyrrolo[2,3-b]pyridin-5-yloxy}benzoate                                                       | VS-M0711062 | 1235865-75-4 |
| 15562 | 1-[Tris(1-methylethyl)silyl]-1H-pyrrolo[2,3-b]pyridine                                                             | VS-M0711063 | 1093759-49-9 |
| 15563 | 1H-Pyrrolo[2,3-b]pyridine                                                                                          | VS-M0711064 | 271-63-6     |
| 15564 | 1H-Pyrrolo[2,3-b]pyridin-5-ol                                                                                      | VS-M0711065 | 98549-88-3   |
| 15565 | 5-Amino-3-methyl-1-phenylpyrazole                                                                                  | VS-M0711066 | 1131-18-6    |
| 15566 | 1-[2-[4-(Chloromethyl)phenoxy]ethyl]hexahydro-1H-azepine Hydrochloride                                             | VS-M0711067 | 223251-25-0  |
| 15567 | 2-Acetylthiophene                                                                                                  | VS-M0711068 | 88-15-3      |
| 15568 | (S)-1-b-Hydroxy-1-(2-thienyl)-3-dimethylaminopropane                                                               | VS-M0711069 | 132335-44-5  |
| 15569 | (S)-(-)-1-Phenylethanol                                                                                            | VS-M071107  | 1445-91-6    |
| 15570 | (R)-3-(Dimethylamino)-1-(thiophen-2-yl)propan-1-ol                                                                 | VS-M0711070 | 132335-49-0  |
| 15571 | methyl (S)-2-(3-((2-isopropylthiazol-4-yl)methyl)-3-methylureido)-4-morpholinobutanoate                            | VS-M0711071 | 1004316-91-9 |
| 15572 | 2-Bromothiophene                                                                                                   | VS-M0711072 | 1003-09-4    |
| 15573 | 3-Bromo-L-tyrosine                                                                                                 | VS-M0711073 | 38739-13-8   |
| 15574 | Sodium Periodate                                                                                                   | VS-M0711074 | 7790-28-5    |
| 15575 | Potassium Trimethylacetate                                                                                         | VS-M0711075 | 19455-23-3   |
| 15576 | Chloroacetonitrile                                                                                                 | VS-M0711076 | 107-14-2     |
| 15577 | 2-Chloropropionitrile                                                                                              | VS-M0711077 | 1617-17-0    |
| 15578 | 5-Chloro-8- hydroxyquinoline                                                                                       | VS-M0711078 | 130-16-5     |
| 15579 | Sodium Oxalate                                                                                                     | VS-M0711079 | 62-76-0      |
| 15580 | Oxalic Acid                                                                                                        | VS-M071108  | 144-62-7     |
| 15581 | 2,6-Dibromo-4-(dibromomethyl)phenol                                                                                | VS-M0711080 | 63394-09-2   |
| 15582 | 5,7-Dichloro-8-hydroxyquinoline                                                                                    | VS-M0711081 | 773-76-2     |
| 15583 | 2,3-Dichloro-1-propanol                                                                                            | VS-M0711082 | 616-23-9     |
| 15584 | 2-(Diethylamino)ethanol                                                                                            | VS-M0711083 | 100-37-8     |
| 15585 | N,N-DimethylhydroxylamineHydrochloride                                                                             | VS-M0711084 | 16645-06-0   |
| 15586 | TRPV antagonist 1                                                                                                  | VS-M0711085 | 1192871-27-4 |
| 15587 | Diethylene Glycol                                                                                                  | VS-M0711086 | 111-46-6     |
| 15588 | Edetate Di Sodium                                                                                                  | VS-M0711087 | 6381-92-6    |
| 15589 | Maltotriose                                                                                                        | VS-M0711088 | 1109-28-0    |
| 15590 | Glycerol                                                                                                           | VS-M0711089 | 56-81-5      |
| 15591 | p-Naphtholbenzein                                                                                                  | VS-M071109  | 145-50-6     |
| 15592 | 6-Methyl-2-thiouracil                                                                                              | VS-M0711090 | 56-04-2      |
| 15593 | D-Glucuronolactone                                                                                                 | VS-M0711091 | 32449-92-6   |
| 15594 | Cumene Hydroperoxide                                                                                               | VS-M0711092 | 80-15-9      |
| 15595 | Iodoethane                                                                                                         | VS-M0711093 | 75-03-6      |
| 15596 | Diphenylphosphine Oxide                                                                                            | VS-M0711094 | 4559-70-0    |
| 15597 | 2-(1-(Ethylsulfonyl)-3-(4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrazol-1-yl)azetidin-3-yl)acetonitrile | VS-M0711095 | 1919837-50-5 |
| 15598 | N,N-Dimethyl-4-nitrosoaniline                                                                                      | VS-M0711096 | 138-89-6     |
| 15599 | N,N-Dimethyl-p-phenylenediamine dihydrochloride                                                                    | VS-M0711097 | 536-46-9     |
| 15600 | N-Methylaniline                                                                                                    | VS-M0711098 | 100-61-8     |
| 15601 | Titanium Dioxide                                                                                                   | VS-M0711099 | 13463-67-7   |
| 15602 | 1,3-bis(2-acetyl-3-phenoxy)-2-propanol                                                                             | VS-M071110  | 146138-35-4  |
| 15603 | 18alpha-Glycyrrhetic acid                                                                                          | VS-M0711100 | 1449-05-4    |
| 15604 | 4-Aminophenol                                                                                                      | VS-M0711101 | 123-30-8     |

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| 15605 | Gluconic Acid                                                                                                 | VS-M0711102 | 526-95-4     |
| 15606 | 3',4'-Dihydroxyphenylacetone                                                                                  | VS-M0711103 | 2503-44-8    |
| 15607 | Polyethylene Glycol                                                                                           | VS-M0711104 | 25322-68-3   |
| 15608 | Tween 80                                                                                                      | VS-M0711105 | 9005-65-6    |
| 15609 | Imidazole                                                                                                     | VS-M0711106 | 288-32-4     |
| 15610 | Calcium Acetate Hydrate                                                                                       | VS-M0711107 | 114460-21-8  |
| 15611 | 3-Cyclopentyl-3-oxopropanenitrile                                                                             | VS-M0711108 | 95882-33-0   |
| 15612 | 2-Phenyl Ethanol                                                                                              | VS-M0711109 | 60-12-8      |
| 15613 | 1,3-bis(2-acetyl-3-phenoxy)-2-propanol                                                                        | VS-M0711111 | 146138-35-4  |
| 15614 | 3-Phenyl-1-propanol                                                                                           | VS-M0711110 | 122-97-4     |
| 15615 | 5-Amino-o-cresol                                                                                              | VS-M0711111 | 2835-95-2    |
| 15616 | 1-(3-Chloropropyl)piperidine Hydrochloride                                                                    | VS-M0711112 | 5472-49-1    |
| 15617 | 2-Chloromethyl-5-trifluoromethyl-1,3,4-oxadiazole                                                             | VS-M0711113 | 723286-98-4  |
| 15618 | 1-Cyanoguanidine                                                                                              | VS-M0711114 | 461-58-5     |
| 15619 | Methyldiphenylphosphine oxide                                                                                 | VS-M0711115 | 2129-89-7    |
| 15620 | D-Valine Methyl Ester Hydrochloride                                                                           | VS-M0711116 | 7146-15-8    |
| 15621 | Tert-butyl 4-nitrosopiperazine-1-carboxylate                                                                  | VS-M0711117 | 877177-42-9  |
| 15622 | Diphenyl (R)-(((1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonate                                   | VS-M0711118 | 342631-41-8  |
| 15623 | O-Isopropyl (5-bromoquinoxalin-6-yl)carbamothioate                                                            | VS-M0711119 | 2742962-04-3 |
| 15624 | Ethyl 4-hydrazinylbenzoate                                                                                    | VS-M0711112 | 14685-90-6   |
| 15625 | Primulic acid                                                                                                 | VS-M0711120 | 53078-36-7   |
| 15626 | 5-(2-ethoxy-5-(piperazin-1-ylsulfonyl)phenyl)-1-methyl-3-propyl-1,6-dihydro-7H-pyrazolo[4,3-d]pyrimidin-7-one | VS-M0711121 | NA           |
| 15627 | Boron trifluoride etherate                                                                                    | VS-M0711122 | 109-63-7     |
| 15628 | Ethyl 2-(1,2,4-Triazol-5-yl)acetate                                                                           | VS-M0711123 | 23159-61-7   |
| 15629 | 4-Fluorobenzoyl Chloride                                                                                      | VS-M0711124 | 403-43-0     |
| 15630 | 2-Chloro-5-fluoropyrimidine                                                                                   | VS-M0711125 | 62802-42-0   |
| 15631 | Naphthalene-1-diazonium tetrafluoroborate                                                                     | VS-M0711126 | 28912-93-8   |
| 15632 | 4-(dimethylamino)butanoic acid                                                                                | VS-M0711127 | 693-11-8     |
| 15633 | 4-Nitroaniline                                                                                                | VS-M0711128 | 100-01-6     |
| 15634 | 3-cyclobutyl-3-oxopropanenitrile                                                                              | VS-M0711129 | 118431-89-3  |
| 15635 | D-(-)-Tartaric Acid                                                                                           | VS-M0711113 | 147-71-7     |
| 15636 | 2,2'-Oxybis(4,6-dimethoxy-1,3,5-triazine)                                                                     | VS-M0711130 | 63910-63-4   |
| 15637 | L-Valinol                                                                                                     | VS-M0711131 | 2026-48-4    |
| 15638 | 4-Fluorobenzo[b]thiophene-2-carboxylic acid                                                                   | VS-M0711132 | 310466-37-6  |
| 15639 | 1-Nitroso-2-pyrrolidinone                                                                                     | VS-M0711133 | 54634-49-0   |
| 15640 | N-(1-Phenylethyl)methanesulfonamide                                                                           | VS-M0711134 | 221341-42-0  |
| 15641 | D-Phenylglycine methyl ester                                                                                  | VS-M0711135 | 24461-61-8   |
| 15642 | Hydrazine hydrochloride                                                                                       | VS-M0711136 | 2644-70-4    |
| 15643 | N,O-BIS(TRIMETHYLSILYL)ACETAMIDE                                                                              | VS-M0711137 | 10416-59-8   |
| 15644 | Methyl 2-(1H-imidazol-2-yl)acetate                                                                            | VS-M0711138 | 1564-48-3    |
| 15645 | p-Toluenesulfinic Acid Methyl Ester                                                                           | VS-M0711139 | 672-78-6     |
| 15646 | N-Propylsulfamide                                                                                             | VS-M0711114 | 147962-41-2  |
| 15647 | tert-Butyl (5-hydroxypentyl)carbamate                                                                         | VS-M0711140 | 75178-90-4   |
| 15648 | Palladium 10% on Carbon (wetted with ca. 55% Water)                                                           | VS-M0711141 | 03-05-40     |
| 15649 | Omethoate                                                                                                     | VS-M0711142 | 1113-02-6    |

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| 15650 | ethyl[(dimethylamino) propyl]carbodiimide hydrochloride                        | VS-M0711143 | 25952-53-8   |
| 15651 | 2,3,5-Trimethylpyridine N-Oxide                                                | VS-M0711144 | 74409-42-0   |
| 15652 | 5-chloropyridine-3-sulfonyl chloride                                           | VS-M0711145 | 1060802-18-7 |
| 15653 | 3-Acetylbenzophenone                                                           | VS-M0711146 | 66067-44-5   |
| 15654 | 4-Chloro-4'-fluorobutyrophenone                                                | VS-M0711147 | 3874-54-2    |
| 15655 | Benzyl {3-fluoro-4-[6-(2-methyl-2H-tetrazol-5-yl)-3-pyridinyl]phenyl}carbamate | VS-M0711148 | 1220910-89-3 |
| 15656 | Diisobutylaluminium hydride                                                    | VS-M0711149 | 1191-15-7    |
| 15657 | 2-Methoxy-5-fluorouracil                                                       | VS-M071115  | 1480-96-2    |
| 15658 | JohnPhos Au(MeCN)SbF6                                                          | VS-M0711150 | 866641-66-9  |
| 15659 | 3,4-dichloro-1-(4-nitrophenyl)-5,6-dihydropyridin-2(1H)-one                    | VS-M0711151 | NA           |
| 15660 | Isophoronediamine (cis- and trans- mixture)                                    | VS-M0711152 | 2855-13-2    |
| 15661 | 4-Hydroxytetrahydro-2H-pyran-4-carboxylic acid                                 | VS-M0711153 | 50289-13-9   |
| 15662 | 5-Bromo-7-methyl-1H-indazole                                                   | VS-M0711154 | 156454-43-2  |
| 15663 | 2-Chloro-4-fluoro-3-pyridinecarbonitrile                                       | VS-M0711155 | 1054552-27-0 |
| 15664 | Tri-n-octylphosphine                                                           | VS-M0711156 | 4731-53-7    |
| 15665 | 2-Chloroethanol                                                                | VS-M0711157 | 107-07-3     |
| 15666 | Phosgene                                                                       | VS-M0711158 | 75-44-5      |
| 15667 | Tris[4-(trifluoromethyl)phenyl]phosphine                                       | VS-M0711159 | 13406-29-6   |
| 15668 | Dicyclopentyl Carbonate                                                        | VS-M071116  | 149674-63-5  |
| 15669 | 2-(4-chlorophenyl)-2,2-difluoroacetic acid                                     | VS-M0711160 | 475301-73-6  |
| 15670 | 2,2-Difluoro-2-(4-fluorophenyl)acetic acid                                     | VS-M0711161 | 94010-78-3   |
| 15671 | 2-(Methylamino)-2-phenylbutan-1-ol                                             | VS-M0711162 | 78483-47-3   |
| 15672 | Potassium 2-chlorophenyltrifluoroborate                                        | VS-M0711163 | 870195-98-5  |
| 15673 | Potassium trifluoro(3-(methylsulfonyl)phenyl)borate                            | VS-M0711164 | 1985700-16-0 |
| 15674 | Methyl 3-(2-Pyrrolyl)propanoate                                                | VS-M0711165 | 69917-80-2   |
| 15675 | 5,5,5-Trifluoropentan-1-ol                                                     | VS-M0711166 | 352-61-4     |
| 15676 | Tricyclohexylphosphine                                                         | VS-M0711167 | 2622-14-2    |
| 15677 | Calcium Bromide                                                                | VS-M0711168 | 7789-41-5    |
| 15678 | BODIPY-FL NHS ester                                                            | VS-M0711169 | 146616-66-2  |
| 15679 | Isobutyraldehyde Oxime                                                         | VS-M071117  | 151-00-8     |
| 15680 | 2-Methyl-5-nitropyridin-4-amine                                                | VS-M0711170 | 84487-12-7   |
| 15681 | 3-(2-aminoethyl)-5-methoxy-1-nitroso-1H-indole-2-carboxylic acid               | VS-M0711171 | NA           |
| 15682 | 2-(5-methoxy-1-nitroso-1H-indol-3-yl)ethanamine                                | VS-M0711172 | NA           |
| 15683 | Sodium Cyanide                                                                 | VS-M0711173 | 143-33-9     |
| 15684 | ETHYL-5-NITRO-1-BENZOFURAN-2-CARBOXYLATE                                       | VS-M0711174 | 69604-00-8   |
| 15685 | (R)-3-aminotetrahydrofuran hydrochloride                                       | VS-M0711175 | 1072015-52-1 |
| 15686 | 3-tert-Butyl-4-hydroxyanisole                                                  | VS-M0711176 | 121-00-6     |
| 15687 | 2-tert-Butyl-4-methylphenol                                                    | VS-M0711177 | 2409-55-4    |
| 15688 | 6-tert-Butyl-m-cresol                                                          | VS-M0711178 | 88-60-8      |
| 15689 | 3,5-Di-Tert-Butyl-4-Hydroxybenzoic Acid                                        | VS-M0711179 | 1421-49-4    |
| 15690 | 2-Deoxy-D-Glucose standard                                                     | VS-M071118  | 154-17-6     |
| 15691 | 4,6-Di-tert-butyl-m-cresol                                                     | VS-M0711180 | 497-39-2     |
| 15692 | 2,6-Di-Tert-butylphenol                                                        | VS-M0711181 | 128-39-2     |
| 15693 | Decylaminoquat Nitroso Impurity                                                | VS-M0711182 | NA           |
| 15694 | Aminodihexylquat Nitroso Impurity                                              | VS-M0711183 | NA           |
| 15695 | 1,1-Cyclohexanediacyetic Anhydride                                             | VS-M0711184 | 1010-26-0    |



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| 15696 | 2-Nitro-5-(phenylthio)aniline                                        | VS-M0711185 | 43156-47-4   |
| 15697 | 4-Cyanobutanoic acid                                                 | VS-M0711186 | 39201-33-7   |
| 15698 | 3-Hydroxy-1-phenylpropan-1-one                                       | VS-M0711187 | 5650-41-9    |
| 15699 | Beta Naphthyl Amine                                                  | VS-M0711188 | 91-59-8      |
| 15700 | 6-Bromo-2-fluoronicotinic acid                                       | VS-M0711189 | 1214345-17-1 |
| 15701 | 3-Amino-4-hydroxybenzoic acid                                        | VS-M071119  | 1571-72-8    |
| 15702 | (S)-3-Aminohexan-1-ol hydrochloride                                  | VS-M0711190 | 68889-62-3   |
| 15703 | Ammonium Formate                                                     | VS-M0711191 | 540-69-2     |
| 15704 | Ammonium Acetate                                                     | VS-M0711192 | 631-61-8     |
| 15705 | 6-Aminophthalide                                                     | VS-M0711193 | 57319-65-0   |
| 15706 | 3-((4-Methylpiperazin-1-yl)methyl)benzonitrile                       | VS-M0711194 | 859850-90-1  |
| 15707 | Hexamethylditin                                                      | VS-M0711195 | 661-69-8     |
| 15708 | 5-Bromopentan-1-ol                                                   | VS-M0711196 | 34626-51-2   |
| 15709 | 2-Fluoro-3-nitrobenzonitrile                                         | VS-M0711197 | 1214328-20-7 |
| 15710 | DL-Homocysteine                                                      | VS-M0711198 | 454-29-5     |
| 15711 | 6-(2-hydroxypropan-2-yl)-3-methylcyclohex-2-en-1-ol (Racemic)        | VS-M0711199 | 6252-34-2    |
| 15712 | 5-Chlorovaleroyl chloride working standard                           | VS-M071120  | 1575-61-7    |
| 15713 | (1R,6S)-6-(2-hydroxypropan-2-yl)-3-methylcyclohex-2-en-1-ol          | VS-M0711200 | 71697-78-4   |
| 15714 | 4-Sulfonamidophenylhydrazine HCl                                     | VS-M0711201 | 17852-52-7   |
| 15715 | Methyl heptadecanoate                                                | VS-M0711202 | 1731-92-6    |
| 15716 | Benzhydrylthiol                                                      | VS-M0711203 | 4237-48-3    |
| 15717 | Diphenylmethylimidothio carbamate                                    | VS-M0711204 | 100871-28-1  |
| 15718 | 1-(Furan-2-yl) ethanol                                               | VS-M0711205 | 4208-64-4    |
| 15719 | Acetonitrile                                                         | VS-M0711206 | 75-05-8      |
| 15720 | Ruphos Pd G4                                                         | VS-M0711207 | 1599466-85-9 |
| 15721 | Methyl 2-Cyclopentanonecarboxylate                                   | VS-M0711208 | 10472-24-9   |
| 15722 | N-methyl-3-[methyl(nitroso)amino]propanamide                         | VS-M0711209 | 89614-31-3   |
| 15723 | 2-(2,2,2-Trifluoroethoxy)phenol                                      | VS-M071121  | 160968-99-0  |
| 15724 | 3-(Methoxycarbonyl)bicyclo[1.1.1]pentane-1-carboxylic Acid           | VS-M0711210 | 83249-10-9   |
| 15725 | 2-Chloro-4-(trifluoromethyl)benzyl bromide                           | VS-M0711211 | 279252-26-5  |
| 15726 | 6-(4-Amino-2,6-dichlorophenoxy)-4-(1-methylethyl)-3(2H)-pyridazinone | VS-M0711212 | 920509-28-0  |
| 15727 | Methyl 3-(cyanomethyl)benzoate                                       | VS-M0711213 | 68432-92-8   |
| 15728 | 1,3-Diiodo-5,5-dimethylhydantoin                                     | VS-M0711214 | 04-12-32     |
| 15729 | Magnesium Bisglycinate                                               | VS-M0711215 | 14783-68-7   |
| 15730 | 2,4-Difluorobenzylamine                                              | VS-M0711216 | 72235-52-0   |
| 15731 | 1,3-bis(Methoxycarbonyl)-2-methyl-2-thiopseudourea                   | VS-M0711217 | 34840-23-8   |
| 15732 | 5-(2-fluorophenyl)-5-oxopentanoic acid                               | VS-M0711218 | 199664-70-5  |
| 15733 | N2-[4-(Aminomethyl)phenyl]-5-fluoro-N4-phenylpyrimidine-2,4-diamine  | VS-M0711219 | 916603-07-1  |
| 15734 | Isosorbide-2-nitrate                                                 | VS-M071122  | 16106-20-0   |
| 15735 | Ethyl Maltol                                                         | VS-M0711220 | 08-11-40     |
| 15736 | 4-(1-Cyanoethyl)benzoic acid                                         | VS-M0711221 | 18908-59-3   |
| 15737 | Methyl 3-(1-cyanoethyl)benzoate                                      | VS-M0711222 | 146257-39-8  |
| 15738 | 4,6-Dimethyl-2-oxo-1,2-dihydro-pyridine-3-carbaldehyde               | VS-M0711223 | 937644-31-0  |
| 15739 | Dextrose monohydrate                                                 | VS-M0711224 | 77938-63-7   |
| 15740 | Dextrates monohydrate                                                | VS-M0711225 | 39404-33-6   |
| 15741 | 1-(2-chlorophenyl) piperazine hydrochloride                          | VS-M0711226 | 41202-32-8   |
| 15742 | N-Nitroso-N-methyl-2-phenylethylamine                                | VS-M0711227 | 13256-11-6   |

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| 15743 | 2-Nitroisonicotinic Acid                                                                               | VS-M0711228 | 33225-74-0   |
| 15744 | Benzhydrol                                                                                             | VS-M0711229 | 91-01-0      |
| 15745 | 1,1-Cyclopentanediacetic Acid                                                                          | VS-M071123  | 16713-66-9   |
| 15746 | Benzophenone                                                                                           | VS-M0711230 | 119-61-9     |
| 15747 | Methyl Chloride                                                                                        | VS-M0711231 | 74-87-3      |
| 15748 | Lenalidomide Impurity 1                                                                                | VS-M0711232 | 59382-59-1   |
| 15749 | Lenalidomide Impurity 2                                                                                | VS-M0711233 | 2686-86-4    |
| 15750 | Lenalidomide Impurity 3                                                                                | VS-M0711234 | 98475-07-1   |
| 15751 | Lenalidomide Impurity 4                                                                                | VS-M0711235 | NA           |
| 15752 | Lenalidomide Impurity 5                                                                                | VS-M0711236 | NA           |
| 15753 | 5-Bromo-2-isopropyl-1,3-dimethoxybenzene                                                               | VS-M0711237 | 1265899-59-9 |
| 15754 | Pyridine-2-sulfonic Acid                                                                               | VS-M0711238 | 15103-48-7   |
| 15755 | Purvalanol B                                                                                           | VS-M0711239 | 212844-54-7  |
| 15756 | 2-Nitrophenethyl Bromide                                                                               | VS-M071124  | 16793-89-8   |
| 15757 | Tris(2,4-di-tert-butylphenyl)phosphate                                                                 | VS-M0711240 | 95906-11-9   |
| 15758 | (S)-6-(5-(7-bromo-9,9-difluoro-9H-fluoren-2-yl)-1H-imidazol-2-yl)-5-azaspiro[2.4]heptane hydrochloride | VS-M0711241 | 2004675-25-4 |
| 15759 | 1-Nitrosopiperidin-3-Amine                                                                             | VS-M0711242 | 2819242-71-0 |
| 15760 | Ethyl 3-aminocrotonate                                                                                 | VS-M0711243 | 626-34-6     |
| 15761 | Silver(I) 2,2,2-Trifluoroacetate                                                                       | VS-M0711244 | 2966-50-9    |
| 15762 | Hexahydro-1H-pyrrolizin-7a-ylmethanamine Dihydrochloride; 8-Aminomethyl-pyrrolizidine Dihydrochloride  | VS-M0711245 | 80842-67-7   |
| 15763 | 1,2-Dibromotetrafluoroethane                                                                           | VS-M0711246 | 124-73-2     |
| 15764 | Pyridine-4-sulfonic acid                                                                               | VS-M0711247 | 5402-20-0    |
| 15765 | Heptanoic Acid                                                                                         | VS-M0711248 | 111-14-8     |
| 15766 | 4-Methyl-2-pentanol                                                                                    | VS-M0711249 | 108-11-2     |
| 15767 | Asiaticoside                                                                                           | VS-M071125  | 16830-15-2   |
| 15768 | Chlorobenzene                                                                                          | VS-M0711250 | 108-90-7     |
| 15769 | Isopropyl Chloride                                                                                     | VS-M0711251 | 75-29-6      |
| 15770 | Allyl Bromide                                                                                          | VS-M0711252 | 106-95-6     |
| 15771 | Methyl Acetate                                                                                         | VS-M0711253 | 79-20-9      |
| 15772 | Triethylamine                                                                                          | VS-M0711254 | 121-44-8     |
| 15773 | Methyl Tricosanoate                                                                                    | VS-M0711255 | 2433-97-8    |
| 15774 | n-Hexane                                                                                               | VS-M0711256 | 110-54-3     |
| 15775 | Methanol                                                                                               | VS-M0711257 | 67-56-1      |
| 15776 | N-Nitrosobis(2-hydroxypropyl)amine                                                                     | VS-M0711258 | 53609-64-6   |
| 15777 | Tetrapropylammonium perruthenate                                                                       | VS-M0711259 | 114615-82-6  |
| 15778 | 2-Amino-3-hydroxypyridine                                                                              | VS-M071126  | 16867-03-1   |
| 15779 | Methyl 3-(hydroxymethyl)-5-nitrobenzoate                                                               | VS-M0711260 | 53732-08-4   |
| 15780 | Methyl 5-Chloroanthranilate                                                                            | VS-M0711261 | 5202-89-1    |
| 15781 | Methyl 2-chlorophenylacetate                                                                           | VS-M0711262 | 57486-68-7   |
| 15782 | (S)-tert-Butyl 2-aminobutanoate hydrochloride                                                          | VS-M0711263 | 53956-05-1   |
| 15783 | DL-Norleucine                                                                                          | VS-M0711264 | 616-06-8     |
| 15784 | Arachidic Acid                                                                                         | VS-M0711265 | 506-30-9     |
| 15785 | Nonadecanedioic Acid                                                                                   | VS-M0711266 | 6250-70-0    |
| 15786 | Methyl pyrazolo[1,5-a]pyridine-5-carboxylate                                                           | VS-M0711267 | 1101120-07-3 |
| 15787 | N-methyl-N'-(5-methylthiophen-2-yl)oxalamide                                                           | VS-M0711268 | NA           |

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| 15788 | Benzyltrimethylammonium Chloride                              | VS-M0711269 | 56-93-9      |
| 15789 | 6-Chloro-4-Hydroxy-2-Methylpyrimidine                         | VS-M071127  | 17551-52-9   |
| 15790 | 4-(Chloromethyl)styrene                                       | VS-M0711270 | 1592-20-7    |
| 15791 | (E)-3-Chloroacrylic acid                                      | VS-M0711271 | 2345-61-1    |
| 15792 | (Z)-3-Chloroacrylic acid                                      | VS-M0711272 | 1609-93-4    |
| 15793 | 3-chloroacrylic acid                                          | VS-M0711273 | 625-40-1     |
| 15794 | (Z)-3-chloro propenoate sodium                                | VS-M0711274 | 4312-97-4    |
| 15795 | Octamethylcyclotetrasiloxane                                  | VS-M0711275 | 556-67-2     |
| 15796 | Iodomethane-d3                                                | VS-M0711276 | 865-50-9     |
| 15797 | 4-Chloro-2,3-dimethylpyridine 1-oxide                         | VS-M0711277 | 59886-90-7   |
| 15798 | Ethyl benzene                                                 | VS-M0711278 | 100-41-4     |
| 15799 | Cumene                                                        | VS-M0711279 | 98-82-8      |
| 15800 | 4,6-dichloro-2-methylpyrimidine                               | VS-M071128  | 1780-26-3    |
| 15801 | 1H-Pyrazole-4-Boronic acid hydrochloride                      | VS-M0711280 | 1256346-38-9 |
| 15802 | 4-methoxy-2,3-dimethylpyridine 1-oxide                        | VS-M0711281 | 102625-96-7  |
| 15803 | (4-methoxy-3-methylpyridin-2-yl)methanol                      | VS-M0711282 | 86604-77-5   |
| 15804 | Acrylic Acid                                                  | VS-M0711283 | 79-10-7      |
| 15805 | 1H-Indole-2-carboxylic acid, 2,3-dihydro-, phenylmethyl ester | VS-M0711284 | 120925-75-9  |
| 15806 | 4-[3-(Hydroxymethyl)Phenoxy]Benzonitrile                      | VS-M0711285 | 888967-63-3  |
| 15807 | N-Isopropylpropan-2-Imine                                     | VS-M0711286 | 09-08-32     |
| 15808 | (S)-1-Phenylethan-1-amine                                     | VS-M0711287 | 2627-86-3    |
| 15809 | 3-(3,3,3-trifluoro-2,2-dimethyl-propoxy)1H-pyrazole           | VS-M0711288 | 2229861-15-6 |
| 15810 | tert-butyl 2,6-dichloropyridine-3-carboxylate                 | VS-M0711289 | 1013647-75-0 |
| 15811 | 4,5,6,7-Tetrahydrothieno[3,2-c]pyridin-2(3H)-one              | VS-M071129  | 178688-48-7  |
| 15812 | 1,3-dimethylpyrazole-4-sulfonamide                            | VS-M0711290 | 88398-53-2   |
| 15813 | Acrolein                                                      | VS-M0711291 | 107-02-8     |
| 15814 | 1,3-Dimethyl-2-imidazolidinone                                | VS-M0711292 | 80-73-9      |
| 15815 | Vinyl chloride                                                | VS-M0711293 | 75-01-4      |
| 15816 | 3-Aminopyridine Hydrochloride                                 | VS-M0711294 | 73074-20-1   |
| 15817 | (+)-Dibenzoyl-D-Tartaric acid                                 | VS-M0711295 | 17026-42-5   |
| 15818 | 3,5-Dibromo-4-hydroxybenzoyl chloride                         | VS-M0711296 | 77823-55-3   |
| 15819 | Vat Red 1                                                     | VS-M0711297 | 2379-74-0    |
| 15820 | Ytterbium(III)Trifluoromethanesulfonate                       | VS-M0711298 | 54761-04-5   |
| 15821 | 3-Fluorobenzyl Chloride                                       | VS-M0711299 | 456-42-8     |
| 15822 | Arachidonic Acid Ethyl Ester                                  | VS-M071130  | 1808-26-0    |
| 15823 | 2-Pyrrolidone                                                 | VS-M0711300 | 616-45-5     |
| 15824 | 3-Chloropropionic Acid                                        | VS-M0711301 | 107-94-8     |
| 15825 | 2,6-difluoro-4-iodopyridine                                   | VS-M0711302 | 685517-71-9  |
| 15826 | Cyclohepten-1-ylboronic acid                                  | VS-M0711303 | 835882-35-4  |
| 15827 | 2-carbomethoxybenzenesulfonamide                              | VS-M0711304 | 57683-71-3   |
| 15828 | 2-(aminosulfonyl)benzoic acid                                 | VS-M0711305 | 632-24-6     |
| 15829 | 2-carboethoxybenzenesulfonamide                               | VS-M0711306 | 59777-72-9   |
| 15830 | 3-Methoxy-1,2-benzisothiazole 1,1-dioxide                     | VS-M0711307 | 18712-14-6   |
| 15831 | 1,2-dibromo ethane                                            | VS-M0711308 | 106-93-4     |
| 15832 | 1-(2-bromoethoxy)-3-ethoxybenzene                             | VS-M0711309 | 26690-39-1   |
| 15833 | Methyl-trimethylsilanylmethyl-amine                           | VS-M071131  | 18135-05-2   |
| 15834 | 1-(2-bromoethoxy)-4-ethoxybenzene                             | VS-M0711310 | 54646-18-3   |

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| 15835 | 1,2-bis(2-bromoethoxy) benzene                      | VS-M0711311 | 136383-33-0  |
| 15836 | 1,4-bis(2-bromoethoxy) benzene                      | VS-M0711312 | 5471-84-1    |
| 15837 | 4,4'-bis(2-bromoethoxy)-3,3'-diethoxy-1,1'-biphenyl | VS-M0711313 | NA           |
| 15838 | 1-(2-bromoethoxy)benzene                            | VS-M0711314 | 589-10-6     |
| 15839 | 1-(2-bromoethoxy)-2-methoxybenzene                  | VS-M0711315 | 4463-59-6    |
| 15840 | pyrocatechol                                        | VS-M0711316 | 120-80-9     |
| 15841 | Monochloroacetic Acid                               | VS-M0711317 | 79-11-8      |
| 15842 | Glycine Anhydride                                   | VS-M0711318 | 106-57-0     |
| 15843 | Triglycine                                          | VS-M0711319 | 556-33-2     |
| 15844 | Tert-Butyldimethylsilanol                           | VS-M071132  | 18173-64-3   |
| 15845 | Diglycine                                           | VS-M0711320 | 556-50-3     |
| 15846 | OLEAMIDE                                            | VS-M0711321 | 301-02-0     |
| 15847 | ERUCAMIDE                                           | VS-M0711322 | 112-84-5     |
| 15848 | PLASTIC ADDITIVE 11                                 | VS-M0711323 | 65447-77-0   |
| 15849 | OCTYL TIN MERCAPTIDE(OTM)                           | VS-M0711324 | 26401-97-8   |
| 15850 | PLASTIC ADDITIVE 24                                 | VS-M0711325 | 166412-78-8  |
| 15851 | BUTYRY TRI-N-HEXYL CITRATE                          | VS-M0711326 | 82469-79-2   |
| 15852 | Irganox 1330                                        | VS-M0711327 | 1709-70-2    |
| 15853 | PLASTIC ADDITIVE 12                                 | VS-M0711328 | 31570-04-4   |
| 15854 | PLASTIC ADDITIVE 13                                 | VS-M0711329 | 27676-62-6   |
| 15855 | 3-Aminopyrazole                                     | VS-M071133  | 1820-80-0    |
| 15856 | PLASTIC ADDITIVE 14                                 | VS-M0711330 | 3806-34-6    |
| 15857 | Chloroethane                                        | VS-M0711331 | 75-00-3      |
| 15858 | Methacrylic Acid                                    | VS-M0711332 | 79-41-4      |
| 15859 | 3-Fluoro-5-hydroxypyridine                          | VS-M0711333 | 209328-55-2  |
| 15860 | METHYLETHYLPIRIDINOL HYDROCHLORIDE                  | VS-M0711334 | 13258-59-8   |
| 15861 | 2-Methylimidazole                                   | VS-M0711335 | 693-98-1     |
| 15862 | GlycofuroI                                          | VS-M0711336 | 31692-85-0   |
| 15863 | 2-Chloropropionaldehyde Dimethyl Acetal             | VS-M0711337 | 87894-32-4   |
| 15864 | Mono methyl Adipate                                 | VS-M0711338 | 627-91-8     |
| 15865 | Dimethyl Adipate                                    | VS-M0711339 | 627-93-0     |
| 15866 | 3-((1-Hydroxypropan-2-yl)amino)cyclohexan-1-one     | VS-M071134  | 1823953-24-7 |
| 15867 | Monomethyl adipyl chloride                          | VS-M0711340 | 35444-44-1   |
| 15868 | Methyl 8-chloro-6-oxohexanoate                      | VS-M0711341 | 41624-92-4   |
| 15869 | 5-(1,2-dithiolan-3-yl)pentanoic acid                | VS-M0711342 | 1077-28-7    |
| 15870 | Tris(2-ethylhexyl) Trimellitate                     | VS-M0711343 | 3319-31-1    |
| 15871 | bis(2-ethylhexyl) terephthalate                     | VS-M0711344 | 6422-86-2    |
| 15872 | methyl 8-chloro-6-hydroxyoctanoate                  | VS-M0711345 | 75033-15-7   |
| 15873 | methyl 6,8-dichlorooctanoate                        | VS-M0711346 | 58536-19-9   |
| 15874 | 7-Octenoic acid, 6-oxo-, methyl ester               | VS-M0711347 | 41324-23-6   |
| 15875 | (E)-Hexa-3,5-dienoic acid                           | VS-M0711348 | 32775-95-4   |
| 15876 | tert-butyl4-cyano-4-phenylpiperidine-1-carboxylate  | VS-M0711349 | 158144-79-7  |
| 15877 | (E)-3-((3-Hydroxypentan-2-yl)imino)cyclohexan-1-one | VS-M071135  | 1824864-62-1 |
| 15878 | D-Alanine                                           | VS-M0711350 | 338-69-2     |
| 15879 | D-Glutamic acid                                     | VS-M0711351 | 6893-26-1    |
| 15880 | D-Lysine                                            | VS-M0711352 | 923-27-3     |
| 15881 | D-Tyrosine                                          | VS-M0711353 | 556-02-5     |

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| 15882 | Diisopropyl 3,3-dimethoxycyclobutane-1,1-dicarboxylate   | VS-M0711354 | 115118-68-8  |
| 15883 | 4'-(Bromomethyl)-2-chloro-1,1'-biphenyl                  | VS-M0711355 | 210113-71-6  |
| 15884 | $\alpha$ -Hederin                                        | VS-M0711356 | 27013-91-8   |
| 15885 | Ethylenediamine                                          | VS-M0711357 | 107-15-3     |
| 15886 | Monoethanolamine                                         | VS-M0711358 | 141-43-5     |
| 15887 | 2-Methylaminoethanol                                     | VS-M0711359 | 109-83-1     |
| 15888 | Undecanedioic Acid                                       | VS-M071136  | 1852-04-6    |
| 15889 | 1-Methylpiperazine                                       | VS-M0711360 | 109-01-3     |
| 15890 | Ethyl piperazine                                         | VS-M0711361 | 5308-25-8    |
| 15891 | 2-(4-(4-Chloro butanoyl) phenyl)-2-methyl propanoic acid | VS-M0711362 | 169280-21-1  |
| 15892 | Methyl 12-oxo octadecanoic                               | VS-M0711363 | 2380-27-0    |
| 15893 | 5-Bromo-3-nitro-1H-pyrazole                              | VS-M0711364 | 1208314-00-4 |
| 15894 | Norchlorcyclizine N-Nitroso                              | VS-M0711365 | NA           |
| 15895 | N-Nitrosodimethylamine 13C2D6                            | VS-M0711366 | 2483824-56-0 |
| 15896 | D-Arabinose Phenylhydrazone                              | VS-M0711367 | 28767-74-0   |
| 15897 | Fmoc-His-AiB-OSu                                         | VS-M0711368 | NA           |
| 15898 | 3-Chloro-N-[(dimethylamino)sulfonyl]propanimidamide      | VS-M0711369 | 106492-75-5  |
| 15899 | 5-Deoxy L-Ribose                                         | VS-M071137  | 18555-65-2   |
| 15900 | methyl 4-aminothiophene-3-carboxylate hydrochloride      | VS-M0711370 | 39978-14-8   |
| 15901 | Piperidine-2-carboxylic acid                             | VS-M0711371 | 535-75-1     |
| 15902 | n-Butyraldehyde                                          | VS-M0711372 | 123-72-8     |
| 15903 | 2,3-Dichloro-1,4-naphthoquinone                          | VS-M0711373 | 117-80-6     |
| 15904 | 1-Nitronaphthalene                                       | VS-M0711374 | 86-57-7      |
| 15905 | 2-FLUORONAPHTHALENE                                      | VS-M0711375 | 323-09-1     |
| 15906 | 3-Isobutylglutaric Acid                                  | VS-M0711376 | 75143-89-4   |
| 15907 | 4-Isobutyl-2,6-Piperidinedione Impurity                  | VS-M0711377 | 916982-10-0  |
| 15908 | (R)-3-(2-Amino-2-oxoethyl)-5-methylhexanoic acid         | VS-M0711378 | 181289-33-8  |
| 15909 | Vinyl Acetate                                            | VS-M0711379 | 108-05-4     |
| 15910 | Methyl 3-Formyl-2-Methoxybenzoate                        | VS-M071138  | 186312-96-9  |
| 15911 | Itaconic Acid                                            | VS-M0711380 | 97-65-4      |
| 15912 | Bismuth subnitrate                                       | VS-M0711381 | 1304-85-4    |
| 15913 | Oxalic Acid Dihydrate                                    | VS-M0711382 | 6153-56-6    |
| 15914 | Oxalacetic Acid                                          | VS-M0711383 | 328-42-7     |
| 15915 | 4-Chloro-2-methylbenzofuro[3,2-d]pyrimidine              | VS-M0711384 | 39786-40-8   |
| 15916 | Sodium Fluoride                                          | VS-M0711385 | 7681-49-4    |
| 15917 | 1-Butanol                                                | VS-M0711386 | 71-36-3      |
| 15918 | Sodium                                                   | VS-M0711387 | 7440-23-5    |
| 15919 | D-(+)-Raffinose Pentahydrate                             | VS-M0711388 | 17629-30-0   |
| 15920 | 3-Nitrophenylacetic Acid                                 | VS-M0711389 | 1877-73-2    |
| 15921 | 5-Ethyl-1H-Imidazole                                     | VS-M071139  | 19141-85-6   |
| 15922 | 2-Nitrophenylacetic Acid                                 | VS-M0711390 | 3740-52-1    |
| 15923 | Triton X 100                                             | VS-M0711391 | 9036-19-5    |
| 15924 | 1,2 Dimethoxy ethane                                     | VS-M0711392 | 110-71-4     |
| 15925 | 3,6-dichloropyrazine-2-carbonitrile                      | VS-M0711393 | 356783-16-9  |
| 15926 | Undecanedioic acid Dimethyl ester                        | VS-M0711394 | 4567-98-0    |
| 15927 | N,N-Diisopropylethylamine                                | VS-M0711395 | 7087-68-5    |
| 15928 | N,N'-Diisopropylcarbodiimide                             | VS-M0711396 | 693-13-0     |

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| 15929 | 1,2-Ethanedithiol                                          | VS-M0711397 | 540-63-6     |
| 15930 | 3,5-Dibenzoyloxyphenylglyoxal hydrate                      | VS-M0711398 | 59229-14-0   |
| 15931 | Zinc Gluconate                                             | VS-M0711399 | 04-02-68     |
| 15932 | 1,2,3,4-Tetrahydro-1-Naphthaic Acid                        | VS-M071140  | 1914-65-4    |
| 15933 | Chromium(III) Pyridine-2-carboxylate                       | VS-M0711400 | 14639-25-9   |
| 15934 | Scopoletin                                                 | VS-M0711401 | 92-61-5      |
| 15935 | Marine collagen fish                                       | VS-M0711402 | 9007-34-5    |
| 15936 | Styrene Oxide                                              | VS-M0711403 | 96-09-3      |
| 15937 | 2-Methyl-5-nitroimidazole                                  | VS-M0711404 | 696-23-1     |
| 15938 | 7-Benzoyloxindole                                          | VS-M0711405 | 51135-38-7   |
| 15939 | 3-(1,3-Thiazol-2-yl)propan-1-amine                         | VS-M0711406 | 63779-34-0   |
| 15940 | 2-Butanone Oxime                                           | VS-M0711407 | 96-29-7      |
| 15941 | 1-Boc-3-trifluoromethyl-piperidin-4-one                    | VS-M0711408 | 1159983-77-3 |
| 15942 | 2-Bromo-6-chloropyridine                                   | VS-M0711409 | 5140-72-7    |
| 15943 | Cis-11-Octadecenoic acid                                   | VS-M071141  | 1937-63-9    |
| 15944 | Dicyclopentadiene                                          | VS-M0711410 | 77-73-6      |
| 15945 | octahydrodimethyl-4,7-methano-1H-indene                    | VS-M0711411 | 30496-78-7   |
| 15946 | Fmoc-His(Fmoc)-OH                                          | VS-M0711412 | 98929-98-7   |
| 15947 | N-(methylacetamido)diphenylamine                           | VS-M0711413 | NA           |
| 15948 | 5-Chloropentanal                                           | VS-M0711414 | 20074-80-0   |
| 15949 | 4-chloropentanal                                           | VS-M0711415 | 17408-13-8   |
| 15950 | (S)-(-)-Glycidol                                           | VS-M0711416 | 60456-23-7   |
| 15951 | (R)-Glycidyl Butyrate                                      | VS-M0711417 | 60456-26-0   |
| 15952 | 2-Chloro-3-(4-methoxyphenyl)-2-propenenitrile              | VS-M0711418 | 90799-51-2   |
| 15953 | 2-Methyl-1,3-dioxane                                       | VS-M0711419 | 626-68-6     |
| 15954 | 1,4-Dibromo-butan-2-ol                                     | VS-M071142  | 19398-47-1   |
| 15955 | 2-(3-oxobutyl)-3-methyl-6-ethyl cyclohexanone              | VS-M0711420 | 958447-27-3  |
| 15956 | Hydroxylamine                                              | VS-M0711421 | 7803-49-8    |
| 15957 | (R)-Ethyl-3-aminobutanoate Hydrochloride                   | VS-M0711422 | 146293-15-4  |
| 15958 | (R)-N-(4-hydroxybutan-2-yl)acetamide                       | VS-M0711423 | 1841458-79-4 |
| 15959 | 5-fluoro-4-iodopyridin-2- amine                            | VS-M0711424 | 1649470-53-0 |
| 15960 | Piperidin-3-one                                            | VS-M0711425 | 50717-82-3   |
| 15961 | Methyl 4-fluoro-1H-pyrrole-2-carboxylate                   | VS-M0711426 | 475561-89-8  |
| 15962 | Ethyl 4-Methyl-2-pyrrolicarboxylate                        | VS-M0711427 | 40611-85-6   |
| 15963 | Cetyl Alcohol                                              | VS-M0711428 | 36653-82-4   |
| 15964 | Stearyl Alcohol                                            | VS-M0711429 | 112-92-5     |
| 15965 | 4-Amino-2-phenylphenol                                     | VS-M071143  | 19434-42-5   |
| 15966 | o-Toluenesulfonamide                                       | VS-M0711430 | 88-19-7      |
| 15967 | p-Toluenesulfonamide                                       | VS-M0711431 | 70-55-3      |
| 15968 | Sodium L-lactate                                           | VS-M0711432 | 867-56-1     |
| 15969 | 3-Cyanobenzoic Acid                                        | VS-M0711433 | 1877-72-1    |
| 15970 | 3-Fluorobenzoic Acid                                       | VS-M0711434 | 455-38-9     |
| 15971 | 1-boc-Piperidine-4-carboxylic Acid                         | VS-M0711435 | 84358-13-4   |
| 15972 | 1-Boc-4-bromopiperidine                                    | VS-M0711436 | 180695-79-8  |
| 15973 | N-Boc-piperidine-4-boronic acid pinacol ester              | VS-M0711437 | 1048970-17-7 |
| 15974 | 2-Chloro-6-methyl-4-nitropyridine                          | VS-M0711438 | 79055-51-9   |
| 15975 | Cyclopropanamine, 2-fluoro-, hydrochloride (1:1), (1R,2S)- | VS-M0711439 | 141042-21-9  |

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| 15976 | Cynarin                                                                    | VS-M071144  | 19870-46-3   |
| 15977 | Ethyl 5-bromoisoxazole-3-carboxylate                                       | VS-M0711440 | 1914946-33-0 |
| 15978 | (R)-N-(Pyrrolidin-3-yl)acetamide                                           | VS-M0711441 | 131900-62-4  |
| 15979 | 4-(4-methylphenyl)butan-1-ol                                               | VS-M0711442 | 53392-07-7   |
| 15980 | 3-Bromo-5-nitro-1H-indole                                                  | VS-M0711443 | 525593-33-3  |
| 15981 | [1,1'-Bis(diphenylphosphino)ferrocene]dichloropalladium(II)                | VS-M0711444 | 72287-26-4   |
| 15982 | 2-Oxo-4-phenyl-1-pyrrolidineacetic Acid Ethyl Ester                        | VS-M0711445 | 70291-40-6   |
| 15983 | 7-bromo-1,2,3,4-tetrahydro-benzo[b]azepin-5-one                            | VS-M0711446 | 3951-89-1    |
| 15984 | Methyl 2-Amino-5-bromobenzoate                                             | VS-M0711447 | 52727-57-8   |
| 15985 | 3-Bromo-5-methylpyridine                                                   | VS-M0711448 | 3430-16-8    |
| 15986 | 3-Cyclopenten-1-amine                                                      | VS-M0711449 | 27721-59-1   |
| 15987 | 2-methoxy-4-amino-5-fluoropyrimidine                                       | VS-M071145  | 1993-63-1    |
| 15988 | 2,3,4,5-Tetrafluorobenzoic acid                                            | VS-M0711450 | 1201-31-6    |
| 15989 | (E)-Ethyl 3-(dimethylamino)acrylate                                        | VS-M0711451 | 1117-37-9    |
| 15990 | (S)-2-Aminopropan-1-ol                                                     | VS-M0711452 | 03-11-49     |
| 15991 | Ethyl 3-oxo-3-(2,3,4,5-tetrafluorophenyl)propanoate                        | VS-M0711453 | 94695-50-8   |
| 15992 | 2-[1-(2-Amino-2-oxoethyl)cyclopentyl]acetic acid                           | VS-M0711454 | 60143-00-2   |
| 15993 | (±)-3-Chloro-1,2-propanediol                                               | VS-M0711455 | 96-24-2      |
| 15994 | Choline Chloride                                                           | VS-M0711456 | 67-48-1      |
| 15995 | tert-Butyl Methanesulfonate                                                | VS-M0711457 | 16427-41-1   |
| 15996 | tert-Butyl Benzenesulfonate                                                | VS-M0711458 | 91950-41-3   |
| 15997 | Phthalic Anhydride                                                         | VS-M0711459 | 85-44-9      |
| 15998 | 2-Amino-5-nitro-2'-chlorobenzophenone                                      | VS-M071146  | 2011-66-7    |
| 15999 | 5-Bromo-2-thiophenecarboxylic Acid                                         | VS-M0711460 | 7311-63-9    |
| 16000 | (R)-N-Glycidylphthalimide                                                  | VS-M0711461 | 181140-34-1  |
| 16001 | (+/-)-Glycidol                                                             | VS-M0711462 | 556-52-5     |
| 16002 | O,O-Diethyl Thiophosphate Sodium Salt                                      | VS-M0711463 | 5852-63-1    |
| 16003 | Calcium Ionophore hemicalcium salt                                         | VS-M0711464 | 59450-89-4   |
| 16004 | 4-BROMO-CALCIUM IONOPHORE                                                  | VS-M0711465 | 76455-48-6   |
| 16005 | CALCIUM IONOPHORE                                                          | VS-M0711466 | 52665-69-7   |
| 16006 | Oleamide                                                                   | VS-M0711467 | 301-02-0     |
| 16007 | Plastic Additive 18                                                        | VS-M0711468 | 119345-01-6  |
| 16008 | Diocetadecyl Disulfide                                                     | VS-M0711469 | 2500-88-1    |
| 16009 | Adipic Anhydride                                                           | VS-M071147  | 2035-75-8    |
| 16010 | N,N'-(Ethane-1,2-diyl)distearamide                                         | VS-M0711470 | 110-30-5     |
| 16011 | ZINC OCTANOATE                                                             | VS-M0711471 | 136-53-8     |
| 16012 | Di(2-ethylhexyl) Phthalate                                                 | VS-M0711472 | 117-81-7     |
| 16013 | n-Butyl Vinyl Ether                                                        | VS-M0711473 | 111-34-2     |
| 16014 | 2,2,6,6-Tetramethylpiperidine                                              | VS-M0711474 | 768-66-1     |
| 16015 | 5-Ethoxy-pyrrolidin-2-one                                                  | VS-M0711475 | 39662-63-0   |
| 16016 | 2,2,2-trifluoroethane-1-sulfonyl chloride                                  | VS-M0711476 | 1648-99-3    |
| 16017 | (R)-2-Amino-2-methyl-3-phenylpropanoic acid                                | VS-M0711477 | 17350-84-4   |
| 16018 | (2R)-3-cyclopentyl-2-[(2-methylpropan-2-yl)oxycarbonylamino]propanoic acid | VS-M0711478 | 219819-74-6  |
| 16019 | 1,1-Difluoromethanesulfonyl chloride                                       | VS-M0711479 | 1512-30-7    |
| 16020 | 2-Methylbutyl Chloroformate                                                | VS-M071148  | 20412-39-9   |
| 16021 | (2-Carboxyethyl)triphenylphosphonium Bromide                               | VS-M0711480 | 51114-94-4   |

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| 16022 | 2-Chloro-N-(2-chloroethyl)-N-methyl-2-phenylethan-1-amine                                                     | VS-M0711481 | 22270-22-0   |
| 16023 | 2-(Benzyloxy)-3-bromopyridine                                                                                 | VS-M0711482 | 52200-49-4   |
| 16024 | 3-Methyl-1H-pyrazole-4-carbaldehyde                                                                           | VS-M0711483 | 112758-40-4  |
| 16025 | 3-Aminophthalic Acid Hydrochloride Dihydrate                                                                  | VS-M0711484 | 1852533-96-0 |
| 16026 | 3-Iodopyridine-2,6-diamine                                                                                    | VS-M0711485 | 856851-34-8  |
| 16027 | 4-methoxy picolinamide                                                                                        | VS-M0711486 | 90151-10-3   |
| 16028 | Hexamethyldisilane                                                                                            | VS-M0711487 | 1450-14-2    |
| 16029 | Trimethylsilylacetylene                                                                                       | VS-M0711488 | 1066-54-2    |
| 16030 | Bis(trimethylsilyl)acetylene                                                                                  | VS-M0711489 | 14630-40-1   |
| 16031 | 4,4'-Dichlorobiphenyl                                                                                         | VS-M071149  | 2050-68-2    |
| 16032 | Ethyl-N-methyl malonamide                                                                                     | VS-M0711490 | 71510-95-7   |
| 16033 | p-Fluorobenzaldehyde                                                                                          | VS-M0711491 | 459-57-4     |
| 16034 | 1,4-Butanesultone                                                                                             | VS-M0711492 | 1633-83-6    |
| 16035 | 1,3-Cyclohexadiene                                                                                            | VS-M0711493 | 592-57-4     |
| 16036 | Methyl thioadenosine                                                                                          | VS-M0711494 | 2457-80-9    |
| 16037 | Bis(4-sulfobutyl) ether                                                                                       | VS-M0711495 | 61161-42-0   |
| 16038 | methyl 5-nitro-1H-pyrazole-3-carboxylate                                                                      | VS-M0711496 | 181585-93-3  |
| 16039 | 2,4-Dinitrobenzenesulfonyl chloride                                                                           | VS-M0711497 | 1656-44-6    |
| 16040 | 4-(3,4-Difluorophenoxy)benzoic acid                                                                           | VS-M0711498 | 1153088-42-6 |
| 16041 | Biphenyl-4-carbaldehyde                                                                                       | VS-M0711499 | 3218-36-8    |
| 16042 | 4-Chlorobiphenyl                                                                                              | VS-M071150  | 2051-62-9    |
| 16043 | 5-(Biphenyl-4-yl methylidene)imidazolidine-2,4-dione                                                          | VS-M0711500 | 110932-42-8  |
| 16044 | (5R)-5-(Biphenyl-4-ylmethyl) imidazolidine-2,4-dione                                                          | VS-M0711501 | 944382-45-0  |
| 16045 | (2R)-2-Amino-3-(biphenyl-4-yl)propan-1-ol                                                                     | VS-M0711502 | 1426129-52-3 |
| 16046 | Trifluoroacetic Acid                                                                                          | VS-M0711503 | 76-05-1      |
| 16047 | Ammonium Cerium(IV) Nitrate                                                                                   | VS-M0711504 | 16774-21-3   |
| 16048 | Allyl Alcohol                                                                                                 | VS-M0711505 | 107-18-6     |
| 16049 | 3-Bromopropane-1-ol                                                                                           | VS-M0711506 | 627-18-9     |
| 16050 | 3-Acetamidophenol                                                                                             | VS-M0711507 | 621-42-1     |
| 16051 | 2-Amino-4-methoxypyridine                                                                                     | VS-M0711508 | 10201-73-7   |
| 16052 | 7-Methoxy[1,2,4]triazolo[1,5-a]pyridine                                                                       | VS-M0711509 | 1250443-32-3 |
| 16053 | Calycosin                                                                                                     | VS-M071151  | 20575-57-9   |
| 16054 | Methyl 4-Amino-2-methoxybenzoate                                                                              | VS-M0711510 | 27492-84-8   |
| 16055 | Diclazuril                                                                                                    | VS-M0711511 | 101831-37-2  |
| 16056 | (2-Bromo-4-nitrophenyl)methanol                                                                               | VS-M0711512 | 183111-34-4  |
| 16057 | 1-[(4-Chlorophenyl)methyl]-2,4-dimethoxybenzene                                                               | VS-M0711513 | 500294-80-4  |
| 16058 | N,N-Bis(4-sulfobutyl)-3-methylaniline                                                                         | VS-M0711514 | 127544-88-1  |
| 16059 | 2-Isopropyl-1,3-dimethoxybenzene                                                                              | VS-M0711515 | 16700-61-1   |
| 16060 | 1,8-Diazabicyclo[5,4,0]undec-7-ene                                                                            | VS-M0711516 | 6674-22-2    |
| 16061 | 2,2'-Dicyanobiphenyl                                                                                          | VS-M0711517 | 4341-02-0    |
| 16062 | BIPHENYL-2-CARBONITRILE                                                                                       | VS-M0711518 | 24973-49-7   |
| 16063 | 2-Chlorobenzonitrile                                                                                          | VS-M0711519 | 873-32-5     |
| 16064 | 2-((2-(2-Methoxyethoxy)ethoxy)carbonyl)benzoic acid                                                           | VS-M071152  | 207790-01-0  |
| 16065 | Tert-butyl 4-((4'-chloro-5,5-dimethyl-3,4,5,6-tetrahydro-[1,1'-biphenyl]-2-yl)methyl)piperazine-1-carboxylate | VS-M0711520 | 1228780-71-9 |
| 16066 | (4-Chlorophenyl)(2,4-dimethoxyphenyl)methanone                                                                | VS-M0711521 | 57600-76-7   |
| 16067 | 3-Bromo-2-hydroxybenzamide                                                                                    | VS-M0711522 | 28165-47-1   |



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| 16068 | Bismuth(III) Oxide                                                                         | VS-M0711523 | 1304-76-3    |
| 16069 | 2,6-Dimethylbenzene-1-sulfonyl chloride                                                    | VS-M0711524 | 2905-29-5    |
| 16070 | Carbonyl iron                                                                              | VS-M0711525 | 7439-89-6    |
| 16071 | 6-Bromo-2-methoxyquinoline                                                                 | VS-M0711526 | 99455-05-7   |
| 16072 | 5-Chloro-2-(methylthio)oxazolo[4,5-b]pyridine                                              | VS-M0711527 | 1783370-92-2 |
| 16073 | Dichloro-1,1-bisdiphenylphosphinoferrocenepalladium II dichloromethane adduct              | VS-M0711528 | 95464-05-4   |
| 16074 | Methyl 2-[(3S)-3-chloro-3-[3-[(1E)-2-(7-chloro-2-quinolinyl)ethenyl]phenyl]propyl]benzoate | VS-M0711529 | 880769-25-5  |
| 16075 | 3-(Carboxymethyl)benzoic acid                                                              | VS-M071153  | 2084-13-1    |
| 16076 | 1,3-Diethyl 2-butyl-2-(2-propen-1-yl)propanedioate                                         | VS-M0711530 | 1575-76-4    |
| 16077 | 1,3-Diethyl 2-(1-methylpropyl)-2-(2-propen-1-yl)propanedioate                              | VS-M0711531 | 59726-41-9   |
| 16078 | 2,6-Dichloropyridine                                                                       | VS-M0711532 | 2402-78-0    |
| 16079 | 4,5-Dichloroquinoline                                                                      | VS-M0711533 | 21617-18-5   |
| 16080 | (R)-Cyclohex-3-enecarboxylic acid                                                          | VS-M0711534 | 5709-98-8    |
| 16081 | Boric acid Monomethylester                                                                 | VS-M0711535 | 52732-22-6   |
| 16082 | 2-Methyl-2-butene                                                                          | VS-M0711536 | 513-35-9     |
| 16083 | N-(2,4-Dinitro-5-fluorophenyl)-L-alaninamide                                               | VS-M0711537 | 95713-52-3   |
| 16084 | 1-Benzylpiperazine                                                                         | VS-M0711538 | 2759-28-6    |
| 16085 | 5-CYTIDILIC ACID                                                                           | VS-M0711539 | 63-37-6      |
| 16086 | 3-Amino-5-Fluoropyridine                                                                   | VS-M071154  | 210169-05-4  |
| 16087 | Glutaric Acid                                                                              | VS-M0711540 | 110-94-1     |
| 16088 | Adipic Acid                                                                                | VS-M0711541 | 124-04-9     |
| 16089 | 2-(6-Bromopyridin-3-YL)acetonitrile                                                        | VS-M0711542 | 144873-99-4  |
| 16090 | 2-Hydroxyethyl Cellulose                                                                   | VS-M0711543 | 9004-62-0    |
| 16091 | Sodium acetate anhydrous                                                                   | VS-M0711544 | 127-09-3     |
| 16092 | 2-Chloropyridin-3-amine                                                                    | VS-M0711545 | 6298-19-7    |
| 16093 | Ethyl oxalyl monochloride                                                                  | VS-M0711546 | 4755-77-5    |
| 16094 | tert-Butyl Nitrite                                                                         | VS-M0711547 | 540-80-7     |
| 16095 | 2-Bromoethanol                                                                             | VS-M0711548 | 540-51-2     |
| 16096 | Cyclopropylmethyl bromide                                                                  | VS-M0711549 | 7051-34-5    |
| 16097 | 8-Methoxycarbonyloctanoic Acid                                                             | VS-M071155  | 2104-19-0    |
| 16098 | 3,4'-Bipyridin-2'-amine                                                                    | VS-M0711550 | 865604-20-2  |
| 16099 | Thiazolo[5,4-b]pyridine-2-carboxylic acid                                                  | VS-M0711551 | 857969-93-8  |
| 16100 | 5-(4-Hydroxyphenyl)isoxazole-3-carboxylic acid                                             | VS-M0711552 | 33282-15-4   |
| 16101 | 1,2-Benzoquinone                                                                           | VS-M0711553 | 583-63-1     |
| 16102 | 4-(4-Aminobenzmido)-N-[2-(diethylamino)ethyl] benzamide                                    | VS-M0711554 | NA           |
| 16103 | 4-(Methylthio)benzaldehyde                                                                 | VS-M0711555 | 3446-89-7    |
| 16104 | 4-(Methylthio)benzyl alcohol                                                               | VS-M0711556 | 3446-90-0    |
| 16105 | 2-(4-(Methylthio)phenyl)acetonitrile                                                       | VS-M0711557 | 38746-92-8   |
| 16106 | 1-(6-Methylpyridin-3-yl)-2-(4-(methylthio)phenyl)ethan-1-one                               | VS-M0711558 | 221615-72-1  |
| 16107 | 4-Bromobenzoic Acid                                                                        | VS-M0711559 | 586-76-5     |
| 16108 | (R)-3-methoxy-2-(methylamino)propanoic acid                                                | VS-M071156  | 2137057-04-4 |
| 16109 | 3-Buten-1-ol                                                                               | VS-M0711560 | 627-27-0     |
| 16110 | Tetrabutylammonium Chloride                                                                | VS-M0711561 | 1112-67-0    |
| 16111 | Dimethyl D-Glutamate Hydrochloride                                                         | VS-M0711562 | 27025-25-8   |
| 16112 | Methyl L-Pyroglutamate                                                                     | VS-M0711563 | 4931-66-2    |

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| 16113 | Dimethyl Sulfite                                                   | VS-M0711564 | 616-42-2     |
| 16114 | 2,4,6-Trimethoxy-1,3,5-triazine                                    | VS-M0711565 | 877-89-4     |
| 16115 | 4-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-4-methylmorpholinium Chloride | VS-M0711566 | 3945-69-5    |
| 16116 | 4-Methylmorpholine                                                 | VS-M0711567 | 109-02-4     |
| 16117 | Sodium Starch Glycolate Type A                                     | VS-M0711568 | 9063-38-1    |
| 16118 | 4-(Difluoromethyl)benzonitrile                                     | VS-M0711569 | 55805-10-2   |
| 16119 | 5-Amino-3,4-dihydro-2H-1,2,6-thiadiazine 1,1-dioxide               | VS-M071157  | 2169078-41-3 |
| 16120 | Ethyl 2-(diethoxyphosphoryl)acetate                                | VS-M0711570 | 867-13-0     |
| 16121 | Sodium Hydride (60%, dispersion in Paraffin Liquid)                | VS-M0711571 | 7646-69-7    |
| 16122 | 3-Chloro-4-fluoroaniline                                           | VS-M0711572 | 367-21-5     |
| 16123 | 4-Fluoroaniline                                                    | VS-M0711573 | 371-40-4     |
| 16124 | tert-Butyl ((trans-3-hydroxycyclobutyl)methyl)carbamate            | VS-M0711574 | 952029-48-0  |
| 16125 | 4-Bromo-2-nitrotoluene                                             | VS-M0711575 | 60956-26-5   |
| 16126 | Pyridine-3-boronic Acid                                            | VS-M0711576 | 1692-25-7    |
| 16127 | Afoxolaner                                                         | VS-M0711577 | 1093861-60-9 |
| 16128 | 2,6-dimethyl-4H-pyran-4-one                                        | VS-M0711578 | 1004-36-0    |
| 16129 | Ethyl Cellulose                                                    | VS-M0711579 | 9004-57-3    |
| 16130 | Cinnamamide                                                        | VS-M071158  | 22031-64-7   |
| 16131 | Potassium bis-ANS salt                                             | VS-M0711580 | 65664-81-5   |
| 16132 | N-Methylpiperidine                                                 | VS-M0711581 | 626-67-5     |
| 16133 | 2-Fluoro-3-iodoaniline                                             | VS-M0711582 | 1261500-65-5 |
| 16134 | 2-Fluoro-4,6-diiodobenzenamine                                     | VS-M0711583 | 1301739-25-2 |
| 16135 | 4-Amino-3-hydroxypyridine                                          | VS-M0711584 | 52334- 53-9  |
| 16136 | [Benzhydryloxy(phenyl)methyl]benzene                               | VS-M0711585 | 574-42-5     |
| 16137 | 4-Chloro-6-hydroxy-2-methyl-2H-pyran-3(6H)-one                     | VS-M0711586 | 66187-15-3   |
| 16138 | 6-Hydroxy-2-methyl-2H-pyran-3(6H)-one                              | VS-M0711587 | 41728-14-7   |
| 16139 | 1 decansulfonic acid sodium salt anhydrous                         | VS-M0711588 | 13419-61-9   |
| 16140 | MAGNESIUM ASPARTATE DIHYDRATE                                      | VS-M0711589 | 2068-80-6    |
| 16141 | Pinosylnin                                                         | VS-M071159  | 22139-77-1   |
| 16142 | Hyaluronidase                                                      | VS-M0711590 | 37326-33-3   |
| 16143 | Hyaluronic Acid                                                    | VS-M0711591 | 9004-61-9    |
| 16144 | (Ethoxyhydroxyphosphinyl)acetic acid                               | VS-M0711592 | 65359-99-1   |
| 16145 | 2-(Chloromethyl)naphthalene                                        | VS-M0711593 | 2506-41-4    |
| 16146 | 2-Amino-1-cyclopentene-1-carbonitrile                              | VS-M0711594 | 2941-23-3    |
| 16147 | Tetraheptylammonium Bromide                                        | VS-M0711595 | 4368-51-8    |
| 16148 | Iridium(III) Chloride Hydrate                                      | VS-M0711596 | 14996-61-3   |
| 16149 | tert-Butyl 2,2,2-Trichloroacetimidate                              | VS-M0711597 | 98946-18-0   |
| 16150 | Hydroxypropyl- $\beta$ -cyclodextrin                               | VS-M0711598 | 128446-35-5  |
| 16151 | 4-(chlorodifluoromethoxy)aniline                                   | VS-M0711599 | 39065-95-7   |
| 16152 | N,6-dimethylhept-6-en-2-amine                                      | VS-M071160  | 2216-56-0    |
| 16153 | (R,R)-Ms-DENEB                                                     | VS-M0711600 | 1333981-86-4 |
| 16154 | 2,3-Dibromosuccinic acid                                           | VS-M0711601 | 526-78-3     |
| 16155 | Acetylenedicarboxylic Acid                                         | VS-M0711602 | 142-45-0     |
| 16156 | Acetylenedicarboxylic Acid Monopotassium Salt                      | VS-M0711603 | 928-04-1     |
| 16157 | n-Octylamine Hydrochloride                                         | VS-M0711604 | 142-95-0     |
| 16158 | Aniline                                                            | VS-M0711605 | 62-53-3      |
| 16159 | 1,4-Dichlorobutane                                                 | VS-M0711606 | 110-56-5     |

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| 16160 | p-chloro nitrobenzene                                                                                                             | VS-M0711607 | 100-00-5     |
| 16161 | Delta valerolactone                                                                                                               | VS-M0711608 | 542-28-9     |
| 16162 | 5-Chlorovaleric Acid                                                                                                              | VS-M0711609 | 1119-46-6    |
| 16163 | 1,4-Dioxane -2-Ol                                                                                                                 | VS-M071161  | 22347-47-3   |
| 16164 | 5-Chlorovaleronitrile                                                                                                             | VS-M0711610 | 6280-87-1    |
| 16165 | Potassium ((benzyloxy)methyl)trifluoroborate                                                                                      | VS-M0711611 | 1027642-25-6 |
| 16166 | Potassium (Acetoxymethyl)trifluoroborate                                                                                          | VS-M0711612 | 910251-35-3  |
| 16167 | Ethylenediaminetetraacetic Acid                                                                                                   | VS-M0711613 | 60-00-4      |
| 16168 | Potassium (bromomethyl)trifluoroborate                                                                                            | VS-M0711614 | 888711-44-2  |
| 16169 | 4-Bromo-2,5-difluorobenzoic acid                                                                                                  | VS-M0711615 | 28314-82-1   |
| 16170 | methyl methacrylate                                                                                                               | VS-M0711616 | 80-62-6      |
| 16171 | Hydroxypropyl Cellulose                                                                                                           | VS-M0711617 | 9004-64-2    |
| 16172 | Isomalt                                                                                                                           | VS-M0711618 | 64519-82-0   |
| 16173 | Ethyl Acrylate                                                                                                                    | VS-M0711619 | 140-88-5     |
| 16174 | 4-Chloro-4-'Biphenylmethanol                                                                                                      | VS-M071162  | 22494-48-0   |
| 16175 | tert-butyl 6-bromo-3,4-dihydroisoquinoline-2(1H)-carboxylate                                                                      | VS-M0711620 | 893566-74-0  |
| 16176 | Oxyclozanide                                                                                                                      | VS-M0711621 | 2277-92-1    |
| 16177 | 2-Chlorobenzotrifluoride                                                                                                          | VS-M0711622 | 88-16-4      |
| 16178 | 1-Chloro-2-isocyanato-4-(trifluoromethyl)benzene                                                                                  | VS-M0711623 | 50528-86-4   |
| 16179 | 3-(Trifluoromethyl)phenyl Isocyanate                                                                                              | VS-M0711624 | 329-01-1     |
| 16180 | tert-Butyl 4-(6-((7-cyclopentyl-6-(dimethylcarbamoyl)-7H-pyrrolo[2,3-d]pyrimidin-2-yl)amino)pyridin-3-yl)piperazine-1-carboxylate | VS-M0711625 | 1374639-78-7 |
| 16181 | 2-Benzylidene-4-methyl-3-oxo-N-phenylpentanamide;                                                                                 | VS-M0711626 | 125971-57-5  |
| 16182 | 1,4-Dicyclopentyl-piperazine                                                                                                      | VS-M0711627 | 119891-85-9  |
| 16183 | N-phenylnitrous amide                                                                                                             | VS-M0711628 | 36966-84-4   |
| 16184 | (6-Bromo-2-ethyl-3-benzofuranyl)(4-methoxyphenyl)methanone                                                                        | VS-M0711629 | 1402819-22-0 |
| 16185 | 3,5-Difluoro Nitrobenzene                                                                                                         | VS-M071163  | 2265-94-3    |
| 16186 | (3-Bromo-4-methoxyphenyl)(2-ethyl-3-benzofuranyl)methanone                                                                        | VS-M0711630 | 1352799-79-1 |
| 16187 | HYPROMELLOSE PHTHALATE                                                                                                            | VS-M0711631 | 9050-31-1    |
| 16188 | 4-Chloro-5-fluoro-2-methoxypyrimidine                                                                                             | VS-M0711632 | 1801-06-5    |
| 16189 | 5-Fluorouracil                                                                                                                    | VS-M0711633 | 51-21-8      |
| 16190 | N,N-Bis(2-hydroxyethyl)-4-methylbenzenesulfonamide                                                                                | VS-M0711634 | 7146-67-0    |
| 16191 | Diethyl Phthalate-d4                                                                                                              | VS-M0711635 | 93952-12-6   |
| 16192 | Diethanol amine                                                                                                                   | VS-M0711636 | 111-42-2     |
| 16193 | 2'-Methoxyphenacyl bromide                                                                                                        | VS-M0711637 | 31949-21-0   |
| 16194 | 3-Bromo-5-methyl-2-nitropyridine                                                                                                  | VS-M0711638 | 155790-02-6  |
| 16195 | 4-Methoxycarbonylcubanecarboxylic acid                                                                                            | VS-M0711639 | 24539-28-4   |
| 16196 | methyl 10,11-Epoxyundecenoate                                                                                                     | VS-M071164  | 22663-09-8   |
| 16197 | p-Quinonimine                                                                                                                     | VS-M0711640 | 3009-34-5    |
| 16198 | Povidone                                                                                                                          | VS-M0711641 | 9003-39-8    |
| 16199 | 2-Azido-N-(2-azidoethyl)ethanamine                                                                                                | VS-M0711642 | 135766-16-4  |
| 16200 | N-Phenylnitrous hydrazide                                                                                                         | VS-M0711643 | 614-01-7     |
| 16201 | Presatovir                                                                                                                        | VS-M0711644 | 1353625-73-6 |
| 16202 | Diammonium hydrogen orthophosphate                                                                                                | VS-M0711645 | 7783-28-0    |
| 16203 | Isochroman                                                                                                                        | VS-M0711646 | 493-05-0     |
| 16204 | Dihexyl carbonate                                                                                                                 | VS-M0711647 | 7523-15-1    |
| 16205 | 2-(Bromomethyl)benzaldehyde                                                                                                       | VS-M0711648 | 60633-91-2   |

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| 16206 | (3AS,3bR,7aS,8aS)-2,2,5,5-tetramethyltetrahydro-3aH-[1,3]dioxolo[4',5':4,5]furo[3,2-d][1,3]dioxine                         | VS-M0711649 | 131156-47-3  |
| 16207 | 5-Chloro-4-nitro-2,1,3-benzothiadiazole                                                                                    | VS-M071165  | 2274-89-7    |
| 16208 | meta-Phosphoric acid                                                                                                       | VS-M0711650 | 37267-86-0   |
| 16209 | 2-Chloro-4-methylthiazole                                                                                                  | VS-M0711651 | 26847-01-8   |
| 16210 | 1H-1,2,4-Triazol-1-ylacetic acid                                                                                           | VS-M0711652 | 28711-29-7   |
| 16211 | Amyl Benzoate                                                                                                              | VS-M0711653 | 2049-96-9    |
| 16212 | Calcium carbonate                                                                                                          | VS-M0711654 | 471-34-1     |
| 16213 | Potassium Hydrogen Phthalate                                                                                               | VS-M0711655 | 877-24-7     |
| 16214 | Triethyl Isocitrate                                                                                                        | VS-M0711656 | 16496-37-0   |
| 16215 | Diethyl ether                                                                                                              | VS-M0711657 | 60-29-7      |
| 16216 | 1,4-Dioxane                                                                                                                | VS-M0711658 | 123-91-1     |
| 16217 | 2-Methoxyethanol                                                                                                           | VS-M0711659 | 109-86-4     |
| 16218 | Dimethyl 4-Methoxyisophthalate                                                                                             | VS-M071166  | 22955-73-3   |
| 16219 | 2-Ethoxyethanol                                                                                                            | VS-M0711660 | 110-80-5     |
| 16220 | Ethylene Dichloride                                                                                                        | VS-M0711661 | 107-06-2     |
| 16221 | 1-Pentadecanol                                                                                                             | VS-M0711662 | 629-76-5     |
| 16222 | 2-Phenoxyethanol                                                                                                           | VS-M0711663 | 122-99-6     |
| 16223 | Propylene oxide                                                                                                            | VS-M0711664 | 75-56-9      |
| 16224 | 2-Chloropyrimidine                                                                                                         | VS-M0711665 | 1722-12-9    |
| 16225 | alpha-Cyclopentylmandelic Acid                                                                                             | VS-M0711666 | 427-49-6     |
| 16226 | Alpha Tocopherol                                                                                                           | VS-M0711667 | 10191-41-0   |
| 16227 | N-Hydroxy Isobutyramide                                                                                                    | VS-M0711668 | 22779-89-1   |
| 16228 | Glyoxylic Acid                                                                                                             | VS-M0711669 | 298-12-4     |
| 16229 | 3-Chlorophenyl-1-propanol                                                                                                  | VS-M071167  | 22991-03-3   |
| 16230 | 2-[(2-bromo 6-chlorophenyl)amino]-N,N-dimethylbenzeneacetamide                                                             | VS-M0711670 | NA           |
| 16231 | 3-Methoxy-4-(4-(4-methylpiperazin-1-yl)piperidin-1-yl)aniline                                                              | VS-M0711671 | 1254058-34-8 |
| 16232 | 2-(2,5-Dichlorobenzamido)acetic acid                                                                                       | VS-M0711672 | 667403-46-5  |
| 16233 | 3-Amino-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)but-2-en-1-one | VS-M0711673 | 847445-81-2  |
| 16234 | 4-chloropyridine                                                                                                           | VS-M0711674 | 626-61-9     |
| 16235 | 3-Formyl-2-hydroxybenzamide                                                                                                | VS-M0711675 | 244287-08-9  |
| 16236 | 5-(4-fluorophenyl)-1-(2-(tetrahydro-6-oxo-2H-pyran-2-yl)ethyl)-2-isopropyl-N,4-diphenyl-1H-pyrrole-3-carboxamide           | VS-M0711676 | NA           |
| 16237 | 2-(4-methoxyphenyl)acetic acid                                                                                             | VS-M0711677 | 104-01-8     |
| 16238 | Mandelic Acid                                                                                                              | VS-M0711678 | 90-64-2      |
| 16239 | 4-bromo-2,5-difluorobenzonitrile                                                                                           | VS-M0711679 | 1427438-75-2 |
| 16240 | 1-(2,3-dichloro-4-hydroxyphenyl)butan-1-one                                                                                | VS-M071168  | 2350-46-1    |
| 16241 | 4-Ethyl-5-methyl-1,3-thiazol-2-ylamine                                                                                     | VS-M0711680 | 30709-59-2   |
| 16242 | 5-Chlorothiophene-2-carbonyl Chloride                                                                                      | VS-M0711681 | 42518-98-9   |
| 16243 | 2-amino-5-Chloro Pyridine                                                                                                  | VS-M0711682 | 1072-98-6    |
| 16244 | Thiosalicylic Acid                                                                                                         | VS-M0711683 | 147-93-3     |
| 16245 | N2-((R)-1-Ethoxy-1-oxo-4-phenylbutan-2-yl)-N6-(2,2,2-trifluoroacetyl)-D-lysine                                             | VS-M0711684 | 1428117-83-2 |
| 16246 | (S)-2-Hydroxy-4-phenylbutyric Acid Ethyl Ester                                                                             | VS-M0711685 | 125639-64-7  |
| 16247 | Maltotetraose                                                                                                              | VS-M0711686 | 34612-38-9   |
| 16248 | Maltopentose                                                                                                               | VS-M0711687 | 34620-76-3   |

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| 16249 | 4-Chloroaniline                                        | VS-M0711688 | 106-47-8     |
| 16250 | 4'-Bromomethyl-2-cyanobiphenyl                         | VS-M0711689 | 114772-54-2  |
| 16251 | 3-Oxocyclobutanecarboxylic Acid                        | VS-M071169  | 23761-23-1   |
| 16252 | 1-Bromo-3-chloropropane                                | VS-M0711690 | 109-70-6     |
| 16253 | 4-Chloromethyl-5-methyl-1,3-dioxol-2-one               | VS-M0711691 | 80841-78-7   |
| 16254 | Bis(2-chloropyridin-4-yl)amine                         | VS-M0711692 | NA           |
| 16255 | 3-(Dimethylamino) -1- methylpropyl chloride            | VS-M0711693 | 104614-20-2  |
| 16256 | 2-methyl-1-nitroso indoline                            | VS-M0711694 | NA           |
| 16257 | 2,2-Dichloro-1,2-diphenylethanone                      | VS-M0711695 | 31315-51-2   |
| 16258 | 1-(2-fluorophenyl)-2-phenylethanone                    | VS-M0711696 | 77294-82-7   |
| 16259 | Sodium Bisulfite                                       | VS-M0711697 | 7631-90-5    |
| 16260 | 3-(3,5-Difluorophenoxy) propionic acid                 | VS-M0711698 | 844648-19-7  |
| 16261 | 3-(3,5-Difluorophenoxy) propane-1-ol                   | VS-M0711699 | 1111086-20-4 |
| 16262 | 3,4-dichlorobenzenesulfonamide                         | VS-M071170  | 23815-28-3   |
| 16263 | 1-chloro-3-propanol                                    | VS-M0711700 | 627-30-5     |
| 16264 | 2-Mercapto-1H-benzo[d]imidazol-5-ol                    | VS-M0711701 | 92806-98-9   |
| 16265 | 2-Chloro-1-(2-fluorophenyl)-2-phenylethan-1-one        | VS-M0711702 | 77294-83-8   |
| 16266 | Lactic acid                                            | VS-M0711703 | 50-21-5      |
| 16267 | Malic Acid                                             | VS-M0711704 | 617-48-1     |
| 16268 | 4-Phenoxyphenol                                        | VS-M0711705 | 831-82-3     |
| 16269 | Benzenehexathiol                                       | VS-M0711706 | 62968-45-0   |
| 16270 | 2,3,6,7,10,11-Triphenylenehexathiol                    | VS-M0711707 | 100077-38-1  |
| 16271 | 2-(3,4-Dihydroxyphenyl)-2-oxoacetic acid               | VS-M0711708 | 10118-81-7   |
| 16272 | Tributylamine                                          | VS-M0711709 | 102-82-9     |
| 16273 | Beta-Methylcholine Chloride                            | VS-M071171  | 2382-43-6    |
| 16274 | 1-Fluoro-4-nitrobenzene                                | VS-M0711710 | 350-46-9     |
| 16275 | 2-(2-Chloroethoxy)acetic acid                          | VS-M0711711 | 14869-41-1   |
| 16276 | 2-(2-Chloroethoxy)acetyl chloride                      | VS-M0711712 | 39229-33-9   |
| 16277 | 2-(2-Chloroacetamido)ethyl 2-chloroacetate             | VS-M0711713 | 60945-04-2   |
| 16278 | 2-Chlorothiophene                                      | VS-M0711714 | 96-43-5      |
| 16279 | 4-(2-nitrophenyl)morpholin-3-one                       | VS-M0711715 | 845729-41-1  |
| 16280 | D-Glucamine                                            | VS-M0711716 | 488-43-7     |
| 16281 | 3,5-Diiodo-L-tyrosine                                  | VS-M0711717 | 300-39-0     |
| 16282 | 3-Iodo-D-tyrosine                                      | VS-M0711718 | 25799-58-0   |
| 16283 | 3,5-Diiodo-d-tyrosine                                  | VS-M0711719 | 16711-71-0   |
| 16284 | Butane Sulphonic Acid                                  | VS-M071172  | 2386-47-2    |
| 16285 | Diisopropyl Sulfate                                    | VS-M0711720 | 06-10-73     |
| 16286 | Isopropyl Hydrogen Sulfate                             | VS-M0711721 | 6914-90-5    |
| 16287 | 1,4-dihydro 1,3,5 triazine                             | VS-M0711722 | 45427-50-7   |
| 16288 | 4-Fluoroisoquinoline-8-sulfonyl chloride hydrochloride | VS-M0711723 | 1334294-10-8 |
| 16289 | (R)-tert-Butyl 2-methyl-1,4-diazepane-1-carboxylate    | VS-M0711724 | 1374130-05-8 |
| 16290 | (S)-tert-Butyl 2-methyl-1,4-diazepane-1-carboxylate    | VS-M0711725 | 1035226-84-6 |
| 16291 | tert-Butyl 2-methyl-1,4-diazepane-1-carboxylate        | VS-M0711726 | 1260422-99-8 |
| 16292 | Procaine                                               | VS-M0711727 | 59-46-1      |
| 16293 | 2-Methylthio-4-pyrimidinol                             | VS-M0711728 | 5751-20-2    |
| 16294 | Azetidine-3-carboxylic Acid                            | VS-M0711729 | 36476-78-5   |
| 16295 | Methyl cis-11-eicosenoate                              | VS-M071173  | 02-09-90     |

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| 16296 | 2-Chloro-1,3-propanediol                                                                       | VS-M0711730 | 497-04-1     |
| 16297 | 2-Amino Benzonitrile                                                                           | VS-M0711731 | 1885-29-6    |
| 16298 | 5-Ethyluracil                                                                                  | VS-M0711732 | 4212-49-1    |
| 16299 | N-Pentanol                                                                                     | VS-M0711733 | 71-41-0      |
| 16300 | 4-Aminopyridine-3-sulfonic acid                                                                | VS-M0711734 | 29452-57-1   |
| 16301 | 4-Formyl-3-hydroxybenzamide                                                                    | VS-M0711735 | 136516-61-5  |
| 16302 | 5-phenoxy pentan-1-ol                                                                          | VS-M0711736 | 16654-52-7   |
| 16303 | 1,1'-[pentane-1,5-diylbis(oxyethylene)]Di benzene                                              | VS-M0711737 | 53150-24-6   |
| 16304 | 4-bromo-2,5-difluorobenzonitrile                                                               | VS-M0711738 | 133541-45-4  |
| 16305 | Palladium Hydroxide                                                                            | VS-M0711739 | 12135-22-7   |
| 16306 | 2-Amino-3-benzoyloxy pyridine                                                                  | VS-M071174  | 24016-03-3   |
| 16307 | H-GLU(OTBU)-NH2 HCL                                                                            | VS-M0711740 | 108607-02-9  |
| 16308 | 1-methyl-1H-imidazole                                                                          | VS-M0711741 | 616-47-7     |
| 16309 | BENZYL ALCOHOL                                                                                 | VS-M0711742 | 100-51-6     |
| 16310 | Methyl carbamimidothioate sulfate                                                              | VS-M0711743 | 14527-26-5   |
| 16311 | 1-Amino-1-pentanol                                                                             | VS-M0711744 | 40898-96-2   |
| 16312 | Trimethyl silyl methane sulfonate                                                              | VS-M0711745 | 10090-05-8   |
| 16313 | 4-Chlorocatechol                                                                               | VS-M0711746 | 2138-22-9    |
| 16314 | Glyceryl tribenzoate                                                                           | VS-M0711747 | 614-33-5     |
| 16315 | 3-Aminobenzonitrile                                                                            | VS-M0711748 | 2237-30-1    |
| 16316 | Methyl 4-(1-piperazinyl)-2-(1H-pyrrolo[2,3-b]pyridin-5-yloxy)benzoate                          | VS-M0711749 | 1257044-57-7 |
| 16317 | (Z)-3-((3-Oxopentane-2-yl)imino)cyclohexan-1-one                                               | VS-M071175  | 2407937-72-6 |
| 16318 | Methyl 4-Fluorobenzoate                                                                        | VS-M0711750 | 403-33-8     |
| 16319 | 5-Chloro-1-(6,7-dihydro-2-hydroxythieno[3,2-c]pyridin-5(4H)-yl)-1-(2-fluorophenyl)-2-pentanone | VS-M0711751 | 2567729-53-5 |
| 16320 | 1-Bromo-1-propene                                                                              | VS-M0711752 | 590-14-7     |
| 16321 | Isovaleramide                                                                                  | VS-M0711753 | 541-46-8     |
| 16322 | 2-Chloro-1,3,2-oxazaphosphacyclohexane 2-oxide                                                 | VS-M0711754 | 5638-58-4    |
| 16323 | 6-O-Desmethylnorbuprenorphine                                                                  | VS-M0711755 | 98104-40-6   |
| 16324 | Benzoin                                                                                        | VS-M0711756 | 119-53-9     |
| 16325 | N-(p-Tolylsulfonylmethyl)formamide                                                             | VS-M0711757 | 36635-56-0   |
| 16326 | 4,5-Diaminophthalonitrile                                                                      | VS-M0711758 | 129365-93-1  |
| 16327 | 2-Methyl-2-imidazoline                                                                         | VS-M0711759 | 534-26-9-1   |
| 16328 | Monostearyl Maleate                                                                            | VS-M071176  | 2424-62-6    |
| 16329 | Acetoacetamide                                                                                 | VS-M0711760 | 5977-14-0    |
| 16330 | Calcium alpha-ketoglutarate Monohydrate                                                        | VS-M0711761 | 402726-78-7  |
| 16331 | Phenyl Formate                                                                                 | VS-M0711762 | 1864-94-4    |
| 16332 | Allylamine Hydrochloride                                                                       | VS-M0711763 | 10017-11-5   |
| 16333 | 2-Chloro-5-nitro-phenylamine                                                                   | VS-M0711764 | 6283-25-6    |
| 16334 | 1-Chloro-2-iodo-4-nitrobenzene                                                                 | VS-M0711765 | 74534-15-9   |
| 16335 | Isoamyl-p-toluenesulfonate                                                                     | VS-M071177  | 2431-75-6    |
| 16336 | Methyl Lignocerate                                                                             | VS-M071178  | 2442-49-1    |
| 16337 | Dibenzyl azodicarboxylate                                                                      | VS-M071179  | 2449-05-0    |
| 16338 | Docosapentaenoic Acid                                                                          | VS-M071180  | 24880-45-3   |
| 16339 | 2-(4-Nitrophenyl)ethanamine                                                                    | VS-M071181  | 24954-67-4   |
| 16340 | Methyl-5-bromo-2-chlorobenzoate                                                                | VS-M071182  | 251085-87-7  |
| 16341 | 2-Hydroxy Phenyl Glycine                                                                       | VS-M071183  | 25178-38-5   |

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| 16342 | Diethylbenzene                            | VS-M071184 | 25340-17-4   |
| 16343 | N-Desmethyl-benzotropine Hydrochloride    | VS-M071185 | 25471-67-4   |
| 16344 | 1-Acetylisonipecotic Acid                 | VS-M071186 | 25503-90-6   |
| 16345 | TEMPO                                     | VS-M071187 | 2564-83-2    |
| 16346 | 3-Hydroxy-1H-indole-5,6-dione             | VS-M071188 | 2570904-44-6 |
| 16347 | 1,2-Benzisothiazol-3(2H)-one              | VS-M071189 | 2634-33-5    |
| 16348 | Diisodecyl Phthalate(DIDP)                | VS-M071190 | 26761-40-0   |
| 16349 | N-Methyl- $\beta$ -Alanine                | VS-M071191 | 2679-14-3    |
| 16350 | 1-Ethylpyrrolidin-2-one                   | VS-M071192 | 2687-91-4    |
| 16351 | 4-Chlorobutyl Methanesulfonate            | VS-M071193 | 26910-61-2   |
| 16352 | 3-(Methylamino)Butan-1-ol                 | VS-M071194 | 2704-55-4    |
| 16353 | Myristyl Gamma Picolinium Chloride        | VS-M071195 | 2748-88-1    |
| 16354 | Glycine ester Compound                    | VS-M071196 | 27532-96-3   |
| 16355 | Monomethyl fumarate                       | VS-M071197 | 2756-87-8    |
| 16356 | 3-Cyanophthalide                          | VS-M071198 | 27613-27-0   |
| 16357 | 1,4-Butanedisulfonic Acid                 | VS-M071199 | 27665-39-0   |
| 16358 | Tertbutyl Isocyanoacetate                 | VS-M071200 | 2769-72-4    |
| 16359 | Sodium Glycolate                          | VS-M071201 | 2836-32-0    |
| 16360 | 2,3-Dichloro Benzoyl chloride             | VS-M071202 | 2905-60-4    |
| 16361 | 2-(Trimethylsilyl)ethanol                 | VS-M071203 | 2916-68-9    |
| 16362 | Dibutyl Azelate                           | VS-M071204 | 2917-73-9    |
| 16363 | 2,3-Dichlorophenoxyacetic Acid            | VS-M071205 | 2976-74-1    |
| 16364 | Ethyl Isocyanoacetate                     | VS-M071206 | 2999-46-4    |
| 16365 | Methyl Linolenate                         | VS-M071207 | 301-00-8     |
| 16366 | N-Isopropylmethyl Nirosoamine             | VS-M071208 | 30533-08-5   |
| 16367 | Phenytoin USP Related Compound A          | VS-M071209 | 3060-50-2    |
| 16368 | 5,6-Dihydroxyindole                       | VS-M071210 | 3131-52-0    |
| 16369 | 4-Formylphthalonitrile                    | VS-M071211 | 313228-48-7  |
| 16370 | 4-Amino-5-methoxy-2(1H)-pyrimidinone      | VS-M071212 | 31458-47-6   |
| 16371 | 2,4,6-Trifluoro Nitrobenzene              | VS-M071213 | 315-14-0     |
| 16372 | Ethyl-4-chlorobutanoate                   | VS-M071214 | 3153-36-4    |
| 16373 | 4-Chlorobutanoic acid methyl ester        | VS-M071215 | 3153-37-5    |
| 16374 | Endurobol                                 | VS-M071216 | 317318-70-0  |
| 16375 | Chloromethoxyethane                       | VS-M071217 | 3188-13-4    |
| 16376 | Seleno-L-methionine (Mis)                 | VS-M071218 | 3211-76-5    |
| 16377 | Chlorogenic acid                          | VS-M071219 | 327-97-9     |
| 16378 | 1,3 -Butane Sultone                       | VS-M071220 | 3289-23-4    |
| 16379 | (S)-(+)-3-Aminopiperidine Dihydrochloride | VS-M071221 | 334618-07-4  |
| 16380 | Bilobalide                                | VS-M071222 | 33570-04-6   |
| 16381 | 3-Bromo-4-Fluoro-N-Methylbenzamide        | VS-M071223 | 337536-22-8  |
| 16382 | Sabinene                                  | VS-M071224 | 3387-41-5    |
| 16383 | Salicylaldimine                           | VS-M071225 | 33893-37-7   |
| 16384 | N-Tert-butyl-N-Ethylnitrosoamine          | VS-M071226 | 3398-69-4    |
| 16385 | 1-(Trifluoromethyl)-10H-Phenothiazine     | VS-M071227 | 343-20-4     |
| 16386 | 4-(Trifluoromethyl)-10H-Phenothiazine     | VS-M071228 | 343-21-5     |
| 16387 | Isomaltulose                              | VS-M071229 | 343336-76-5  |
| 16388 | 2-Aminopentan-3-One                       | VS-M071230 | 343925-95-1  |

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| 16389 | Betamipron                                                               | VS-M071231 | 3440-28-6   |
| 16390 | 1,4-Dithiothreitol                                                       | VS-M071232 | 03-12-83    |
| 16391 | 2-Fluoroaniline                                                          | VS-M071233 | 348-54-9    |
| 16392 | Methyl 10-Hydroxyundecanoate                                             | VS-M071234 | 35005-54-0  |
| 16393 | 4,6-Dimethyl-2-(methylsulfonyl)pyrimidine                                | VS-M071235 | 35144-22-0  |
| 16394 | 4-Fluorotoluene                                                          | VS-M071236 | 352-32-9    |
| 16395 | N-Tert-Butyl-3-Chlorobenzamide                                           | VS-M071237 | 35306-56-0  |
| 16396 | 3,3-Diphenyl Acrylonitrile                                               | VS-M071238 | 3531-24-6   |
| 16397 | 3-Chloropropionaldehyde Diethylacetal                                    | VS-M071239 | 35573-93-4  |
| 16398 | Amobam                                                                   | VS-M071240 | 07-10-66    |
| 16399 | 2,2,3,3-Tetramethylsuccinimide                                           | VS-M071241 | 3566-61-8   |
| 16400 | Triethylene glycol bis(3-tert-butyl-4-hydroxy-5-methylphenyl)propionate  | VS-M071242 | 36443-68-2  |
| 16401 | N,N,N',N'-Tetramethylbenzidine                                           | VS-M071243 | 366-29-0    |
| 16402 | 4-Bromo-2-Fluoroaniline                                                  | VS-M071244 | 367-24-8    |
| 16403 | 4-Chloro-2,5-dimethoxy pyrimidine                                        | VS-M071245 | 370103-25-6 |
| 16404 | Ethyl-4,4,4-Trichloro acetoacetate                                       | VS-M071246 | 3702-98-5   |
| 16405 | 4-Fluorobenzenethiol                                                     | VS-M071247 | 371-42-6    |
| 16406 | Palmitoleic Acid                                                         | VS-M071248 | 373-49-9    |
| 16407 | Phenyl N-hydroxycarbamate                                                | VS-M071249 | 38064-07-2  |
| 16408 | 2-Amino-4-hydroxybenzoic acid                                            | VS-M071250 | 38160-63-3  |
| 16409 | 3-HydrazinobenzoicAcid                                                   | VS-M071251 | 38235-71-1  |
| 16410 | 5-Hydroxymethyl thiazole                                                 | VS-M071252 | 38585-74-9  |
| 16411 | 2,3-Dichlorobenzyl Alcohol                                               | VS-M071253 | 38594-42-2  |
| 16412 | Sucrose heptasulfate potassium salt                                      | VS-M071254 | 386229-69-2 |
| 16413 | Sucrose Hexasulfate Potassium salt                                       | VS-M071255 | 386229-70-5 |
| 16414 | R-Phenyl Ethyl Amine                                                     | VS-M071256 | 3886-69-9   |
| 16415 | 1-(2-methoxyphenyl)piperazine dihydrochloride                            | VS-M071257 | 38869-49-7  |
| 16416 | 1,9-Nonanediol                                                           | VS-M071258 | 3937-56-2   |
| 16417 | 4-Amino-2-chlorophenol                                                   | VS-M071259 | 3964-52-1   |
| 16418 | Methyl Tropate                                                           | VS-M071260 | 3967-53-1   |
| 16419 | 3-(Trifluoromethyl)-10H-Phenothiazine                                    | VS-M071261 | 397-50-2    |
| 16420 | 2'-Benzoyl-2,4'-Dichloroacetanilide                                      | VS-M071262 | 4016-85-7   |
| 16421 | Transaconitic acid                                                       | VS-M071263 | 4023-65-8   |
| 16422 | Methylphenidate Impurity 2                                               | VS-M071264 | 403502-85-2 |
| 16423 | 2-Aminobutanenitrile                                                     | VS-M071265 | 40651-89-6  |
| 16424 | 1-hydroxycyclobutane-1-carboxylic acid                                   | VS-M071266 | 41248-13-9  |
| 16425 | 2,2'-Thiodiethylene Bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] | VS-M071267 | 41484-35-9  |
| 16426 | 3-Amino-1H-pyrazole-4-carboxylic Acid                                    | VS-M071268 | 41680-34-6  |
| 16427 | 5-(Phenyl-Hydrazono)-Pentane-1,2,3,4-Tetrol                              | VS-M071269 | 42015-07-6  |
| 16428 | (-)-a-Phellandrene                                                       | VS-M071270 | 4221-98-1   |
| 16429 | 1-benzylimidazole                                                        | VS-M071271 | 4238-71-5   |
| 16430 | L-Ornithine Lactam Hydrochloride                                         | VS-M071272 | 42538-31-8  |
| 16431 | 1-(4-Tert-Butylphenyl)-4-Chloro-1-Butanone                               | VS-M071273 | 43076-61-5  |
| 16432 | 1-Benzyl-1H-Indazole                                                     | VS-M071274 | 43120-25-8  |
| 16433 | 5-Methyl-N-phenylpyridin-2-amine                                         | VS-M071275 | 43191-23-7  |
| 16434 | 2-Chloro-6-(Trifluoromethyl)aniline                                      | VS-M071276 | 433-94-3    |
| 16435 | 5-Methyl-Tetrahydropteroic Acid                                          | VS-M071277 | 4349-41-1   |



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| 16436 | 3-Chloro-N,N-diethylpropan-1-amine hydrochloride   | VS-M071278 | 4535-85-7  |
| 16437 | $\alpha,\alpha,\alpha$ -Tris(hydroxymethyl)toluene | VS-M071279 | 4704-99-8  |
| 16438 | 1,8-Cineole                                        | VS-M071280 | 470-82-6   |
| 16439 | Dihydrokaempfero                                   | VS-M071281 | 480-20-6   |
| 16440 | Hyperoside                                         | VS-M071282 | 482-36-0   |
| 16441 | Dihydrocinchonidine                                | VS-M071283 | 485-65-4   |
| 16442 | Formononetin                                       | VS-M071284 | 485-72-3   |
| 16443 | 1-Chlorohexadecane                                 | VS-M071285 | 01-03-60   |
| 16444 | Scopoline                                          | VS-M071286 | 487-27-4   |
| 16445 | Biochanin                                          | VS-M071287 | 491-80-5   |
| 16446 | Flavan                                             | VS-M071288 | 494-12-2   |
| 16447 | 3-Hydroxy-2-pyrone                                 | VS-M071289 | 496-64-0   |
| 16448 | Isonipicotic acid                                  | VS-M071290 | 498-94-2   |
| 16449 | Isomaltose                                         | VS-M071291 | 499-40-1   |
| 16450 | trans-Caffeic Acid                                 | VS-M071292 | 501-16-6   |
| 16451 | Hydrocinnamic Acid                                 | VS-M071293 | 501-52-0   |
| 16452 | Isometheptene                                      | VS-M071294 | 503-01-5   |
| 16453 | 2,6-Dichlorobenzoic Acid                           | VS-M071295 | 50-30-6    |
| 16454 | Cyclohexane-1,3-Diol                               | VS-M071296 | 504-01-8   |
| 16455 | Suberic Acid                                       | VS-M071297 | 505-48-6   |
| 16456 | 2,5-Dichlorobenzoic acid                           | VS-M071298 | 50-79-3    |
| 16457 | L-Ascorbic Acid                                    | VS-M071299 | 50-81-7    |
| 16458 | 2,4-Dinitrophenol                                  | VS-M071300 | 51-28-5    |
| 16459 | N-formyl glycine Intermediate                      | VS-M071301 | 51354-15-5 |
| 16460 | 1,1-Dichloro-2-propanone                           | VS-M071302 | 513-88-2   |
| 16461 | 3,4-Dichlorobenzoic acid                           | VS-M071303 | 51-44-5    |
| 16462 | 4-Chloro-3-pyridinesulphonic acid                  | VS-M071304 | 51498-38-5 |
| 16463 | 4-Bromo-1-Butene                                   | VS-M071305 | 5162-44-7  |
| 16464 | 4'-Methoxyacetanilide                              | VS-M071306 | 51-66-1    |
| 16465 | Apigenin                                           | VS-M071307 | 520-36-5   |
| 16466 | 2-Hydrazinobenzoic acid hydrochloride              | VS-M071308 | 52356-01-1 |
| 16467 | Mucic Acid                                         | VS-M071309 | 526-99-8   |
| 16468 | 2-Thiophenecarbonyl Chloride                       | VS-M071310 | 5271-67-0  |
| 16469 | Sodium Benzoate                                    | VS-M071311 | 532-32-1   |
| 16470 | Di-(2-propylheptyl)Phthalate (DPHP)                | VS-M071312 | 53306-54-0 |
| 16471 | 4-Chloro-4,5-dimethyl-1,3-dioxolan-2-one           | VS-M071313 | 04-01-68   |
| 16472 | 2,2,6-Trimethyl-1,3-dioxin-4-one                   | VS-M071314 | 5394-63-8  |
| 16473 | Sucralfate                                         | VS-M071315 | 54182-58-0 |
| 16474 | Sodium Salicylate                                  | VS-M071316 | 54-21-7    |
| 16475 | Hydroxylamine hydrochloride                        | VS-M071317 | 01-11-70   |
| 16476 | 5-Iodo-2-methylbenzoic acid                        | VS-M071318 | 54811-38-0 |
| 16477 | Galangin                                           | VS-M071319 | 548-83-4   |
| 16478 | Benzamide                                          | VS-M071320 | 55-21-0    |
| 16479 | 9-Bromononanol                                     | VS-M071321 | 55362-80-6 |
| 16480 | m-Nitrophenol                                      | VS-M071322 | 554-84-7   |
| 16481 | 3-Nitroanisole                                     | VS-M071323 | 555-03-3   |
| 16482 | cis-11- Eicosenoic acid                            | VS-M071324 | 5561-99-9  |

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| 16483 | 4-Methoxyphenethylamine                                    | VS-M071325 | 55-81-2     |
| 16484 | 1-Chloro-2-methyl-2-propanol                               | VS-M071326 | 558-42-9    |
| 16485 | 1, 4-diiodopentane                                         | VS-M071327 | 55930-45-5  |
| 16486 | 4-(4-Nitrophenyl) Butyric acid                             | VS-M071328 | 5600-62-4   |
| 16487 | 4-Carvomenthenol                                           | VS-M071329 | 562-74-3    |
| 16488 | Methallyl chloride                                         | VS-M071330 | 563-47-3    |
| 16489 | Isobutyramide                                              | VS-M071331 | 563-83-7    |
| 16490 | Hydroxy-dimethyl-trimethylsilyloxysilane                   | VS-M071332 | 56428-93-4  |
| 16491 | (S)-2-Aminobutanoic Acid Methyl Ester HCl                  | VS-M071333 | 56545-22-3  |
| 16492 | 1,6-Diacetyl-2-methoxy-naphthalene                         | VS-M071334 | 5672-98-0   |
| 16493 | 3-Bromo-2-chlorobenzoic Acid                               | VS-M071335 | 56961-27-4  |
| 16494 | (3,4-Dimethoxyphenyl)acetaldehyde                          | VS-M071336 | 5703-21-9   |
| 16495 | Palmitic Acid                                              | VS-M071337 | 57-10-3     |
| 16496 | Stearic Acid                                               | VS-M071338 | 57-11-4     |
| 16497 | Tert-butyl 4-(6-nitropyridin-3-yl)Piperazine-1-carboxylate | VS-M071339 | 571189-16-7 |
| 16498 | 4-Chloro-4'-Biphenylcarboxylic acid                        | VS-M071340 | 5748-41-4   |
| 16499 | Propylene Glycol                                           | VS-M071341 | 57-55-6     |
| 16500 | 2,3-Dimethylbromobenzene                                   | VS-M071342 | 576-23-8    |
| 16501 | 2,3-Dichlorophenol                                         | VS-M071343 | 576-24-9    |
| 16502 | liquiritigenin                                             | VS-M071344 | 578-86-9    |
| 16503 | Acetaldehyde Ammonia Trimer Trihydrate                     | VS-M071345 | 58052-80-5  |
| 16504 | Cis-Aconitic Acid                                          | VS-M071346 | 585-84-2    |
| 16505 | Maltitol                                                   | VS-M071347 | 585-88-6    |
| 16506 | Terpinolene                                                | VS-M071348 | 586-62-9    |
| 16507 | Iodobenzene                                                | VS-M071349 | 591-50-4    |
| 16508 | Methyl 3-chlorosulfonylthiophene-2-carboxylate             | VS-M071350 | 59337-92-7  |
| 16509 | 4 Chloro Thiophene-2-Carboxylic Acid                       | VS-M071351 | 59614-95-8  |
| 16510 | Diethyl Sulfone                                            | VS-M071352 | 597-35-3    |
| 16511 | 2-(3-Chloropropyl)-2-Methyl-1,3-Dioxolane                  | VS-M071353 | 05-08-78    |
| 16512 | Dimethylethylamine                                         | VS-M071354 | 598-56-1    |
| 16513 | (R)-(+)-Limonene                                           | VS-M071355 | 5989-27-5   |
| 16514 | Trifluoroacetic acid-d                                     | VS-M071356 | 599-00-8    |
| 16515 | Mesotartaric Acid                                          | VS-M071357 | 5990-63-6   |
| 16516 | Benzeneazomalononitrile                                    | VS-M071358 | 6017-21-6   |
| 16517 | Linoleic acid                                              | VS-M071359 | 60-33-3     |
| 16518 | Acetamide                                                  | VS-M071360 | 60-35-5     |
| 16519 | N,n,n,n-tetraethyl-1,3-propanediamine                      | VS-M071361 | 60558-96-5  |
| 16520 | N-Hydroxysuccinimide                                       | VS-M071362 | 6066-82-6   |
| 16521 | Ethyl-4,4-Dichloro acetoacetate                            | VS-M071363 | 6082-74-2   |
| 16522 | Hexyl chloroformate                                        | VS-M071364 | 6092-54-2   |
| 16523 | DL-Proline                                                 | VS-M071365 | 609-36-9    |
| 16524 | Glyoxamide                                                 | VS-M071366 | 60939-21-1  |
| 16525 | 4-Nitro phthalic acid                                      | VS-M071367 | 610-27-5    |
| 16526 | 2,5-Dibromobenzoic Acid                                    | VS-M071368 | 610-71-9    |
| 16527 | Baccharin                                                  | VS-M071369 | 61251-97-6  |
| 16528 | Trisodium Citrate Dihydrate                                | VS-M071370 | 03-04-32    |
| 16529 | N-Nitroso-N-Methylaniline                                  | VS-M071371 | 614-00-6    |

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| 16530 | 3-Chlorobenzoyl Chloride                            | VS-M071372 | 618-46-2   |
| 16531 | 2-Mononitroglycerin                                 | VS-M071373 | 620-12-2   |
| 16532 | L-Alanine Isopropyl Ester hydrochloride             | VS-M071374 | 62062-65-1 |
| 16533 | 2,5-Dichloro-2,5-dimethylhexane                     | VS-M071375 | 6223-78-5  |
| 16534 | Mononitroglycerin                                   | VS-M071376 | 624-43-1   |
| 16535 | Dimethyl Fumarate                                   | VS-M071377 | 624-49-7   |
| 16536 | 2-Chloro-3-Amino Benzo Trifluoride                  | VS-M071378 | 62476-58-8 |
| 16537 | $\beta$ -Hydroxy $\beta$ -Methyl butyric acid (HMB) | VS-M071379 | 625-08-1   |
| 16538 | Thiourea                                            | VS-M071380 | 62-56-6    |
| 16539 | Di-Sec-Butylamine                                   | VS-M071381 | 626-23-3   |
| 16540 | 4-Chlorobutyric Acid                                | VS-M071382 | 627-00-9   |
| 16541 | N-Nitrosodimethylamine                              | VS-M071383 | 62-75-9    |
| 16542 | 1, 4-diiodobutane                                   | VS-M071384 | 628-21-7   |
| 16543 | 3-Methylbutyl Chloroformate                         | VS-M071385 | 628-50-2   |
| 16544 | 3,4-Dichlorobenzaldehyde                            | VS-M071386 | 6287-38-3  |
| 16545 | 1, 5-diiodopentane                                  | VS-M071387 | 628-77-3   |
| 16546 | Silicone oil                                        | VS-M071388 | 63148-62-9 |
| 16547 | 2,3-Dichlorobenzaldehyde                            | VS-M071389 | 6334-18-5  |
| 16548 | 1,2,3-Trimethoxybenzene                             | VS-M071390 | 634-36-6   |
| 16549 | 1-Indanol                                           | VS-M071391 | 06-10-51   |
| 16550 | 2,5-Dichlorobenzaldehyde                            | VS-M071392 | 6361-23-5  |
| 16551 | Methyl Phenyl Acetate                               | VS-M071393 | 637-27-4   |
| 16552 | (2-Bromo-benzyl)-phosphonic acid diethyl ester      | VS-M071394 | 63909-55-7 |
| 16553 | 2-Phenylethylamine                                  | VS-M071395 | 64-04-0    |
| 16554 | Nonadecanoic Acid                                   | VS-M071396 | 646-30-0   |
| 16555 | Phenyl (2-chlorophenyl)carbamate                    | VS-M071397 | 65141-02-8 |
| 16556 | 2-(Prop-1-en-2-yl)pyridine                          | VS-M071398 | 6515-13-5  |
| 16557 | Isosorbide                                          | VS-M071399 | 652-67-5   |
| 16558 | 1,4-Piprazinediethylamine                           | VS-M071400 | 6531-38-0  |
| 16559 | 3',4'-Dichloropropiophenone                         | VS-M071401 | 6582-42-9  |
| 16560 | 4-Amino-1,3-dimethyl-2,6-dioxy-5-nitrosopyrimidine  | VS-M071402 | 6632-68-4  |
| 16561 | 2-Pyrroilidone-n-butyric acid                       | VS-M071403 | 6739-80-6  |
| 16562 | 9(Z)-Eicosenoic Acid Methyl Ester                   | VS-M071405 | 67810-35-9 |
| 16563 | DL-malic acid                                       | VS-M071406 | 6915-15-7  |
| 16564 | 3-(Methylamino)propionitrile                        | VS-M071407 | 693-05-0   |
| 16565 | 1-Bromo-4-chlorobutane                              | VS-M071408 | 6940-78-9  |
| 16566 | Tetrahydro-2H-pyran-2-ol                            | VS-M071409 | 694-54-2   |
| 16567 | Pyridine N-Oxide                                    | VS-M071410 | 694-59-7   |
| 16568 | 4-Amino-2,5-dimethoxy pyrimidine                    | VS-M071411 | 6960-17-4  |
| 16569 | 4-chloro-2-fluoronitrobenzene                       | VS-M071412 | 700-37-8   |
| 16570 | N-Nitroso n-Methyl N-butyl amine (NMBA)             | VS-M071413 | 7068-83-9  |
| 16571 | L-Threonic Acid Calcium Salt                        | VS-M071414 | 70753-61-6 |
| 16572 | Methylbenzhydrol                                    | VS-M071415 | 7111-76-4  |
| 16573 | 1,1,1-Trichloroethane                               | VS-M071416 | 71-55-6    |
| 16574 | 2-Amino-5-Chlorobenzophenone                        | VS-M071417 | 719-59-5   |
| 16575 | 4-Amino-2-methoxybenzonitrile                       | VS-M071418 | 04-09-51   |
| 16576 | Bromoacetaldehyde Dimethyl Acetal                   | VS-M071419 | 7252-83-7  |

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| 16577 | Benzyl dodecyl dimethyl ammonium Bromide  | VS-M071420 | 01-04-81    |
| 16578 | Decyl Methyl Ether                        | VS-M071421 | 7289-52-3   |
| 16579 | Artepillin C                              | VS-M071422 | 72944-19-5  |
| 16580 | 2-Methylpentane                           | VS-M071423 | 73513-42-5  |
| 16581 | N,N-Bis(2-aminoethyl)nitrous amide        | VS-M071424 | 741659-46-1 |
| 16582 | Methyl Bromide                            | VS-M071425 | 74-83-9     |
| 16583 | Methyl Iodide                             | VS-M071426 | 74-88-4     |
| 16584 | Acetaldehyde                              | VS-M071427 | 75-07-0     |
| 16585 | Isopropylamine                            | VS-M071428 | 75-31-0     |
| 16586 | L-Prolinamide                             | VS-M071429 | 7531-52-4   |
| 16587 | 1,1-Dichloroethylene                      | VS-M071430 | 75-35-4     |
| 16588 | tert Butanol                              | VS-M071431 | 75-65-0     |
| 16589 | 3-Amino-5-hydroxybenzoic Acid             | VS-M071432 | 76045-71-1  |
| 16590 | (2-methylprop-1-en-1-yl)benzene           | VS-M071433 | 768-49-0    |
| 16591 | Benzilic acid                             | VS-M071434 | 76-93-7     |
| 16592 | 1-Amino-2-Phenylbutan-2-ol                | VS-M071435 | 770-65-0    |
| 16593 | 1-(6-Nitropyridin-3-yl)piperazine         | VS-M071436 | 775288-71-6 |
| 16594 | N-Formylpiperazine                        | VS-M071437 | 7755-92-2   |
| 16595 | 2-Chloro-5-Nitro Benzo Trifluoride        | VS-M071438 | 777-37-7    |
| 16596 | 4-Fluoro-3-bromobenzaldehyde              | VS-M071439 | 77771-02-9  |
| 16597 | Tromethamine                              | VS-M071440 | 77-86-1     |
| 16598 | Choline Dihydrogen Citrate (Mis)          | VS-M071441 | 77-91-8     |
| 16599 | Citric Acid                               | VS-M071442 | 77-92-9     |
| 16600 | Triethyl Citrate                          | VS-M071443 | 77-93-0     |
| 16601 | N-Methoxy-N-Methylacetamide               | VS-M071444 | 78191-00-1  |
| 16602 | Methyl vinyl ketone                       | VS-M071445 | 78-94-4     |
| 16603 | Chloroacetone                             | VS-M071446 | 78-95-5     |
| 16604 | Propanoic acid                            | VS-M071447 | 79-09-4     |
| 16605 | 4-Cyclohexylbutan-2-amine                 | VS-M071448 | 791752-94-8 |
| 16606 | Isobutyryl Chloride                       | VS-M071449 | 79-30-1     |
| 16607 | L- $\alpha$ -Phosphatidylcholine          | VS-M071450 | 8002-43-5   |
| 16608 | Methyl Benzenesulfonate                   | VS-M071451 | 80-18-2     |
| 16609 | Methyl p-toluenesulfonate                 | VS-M071452 | 80-48-8     |
| 16610 | 4-Chloro-4'-Biphenylcarboxaldehyde        | VS-M071453 | 80565-30-6  |
| 16611 | Alfa-Pinene                               | VS-M071454 | 80-56-8     |
| 16612 | 4-Methyl-5-Chlorovaleryl chloride         | VS-M071455 | 813452-05-0 |
| 16613 | Trichlormethine Hydrochloride             | VS-M071456 | 817-09-4    |
| 16614 | Khellin                                   | VS-M071457 | 82-02-0     |
| 16615 | 3-Hydroxycyclohexan-1-One                 | VS-M071458 | 823-19-8    |
| 16616 | 2,6-Dichlorobenzaldehyde                  | VS-M071459 | 83-38-5     |
| 16617 | 3-(1-Pyrrolidiny)propiophenone HCl        | VS-M071460 | 833-86-3    |
| 16618 | Methyl 2-(2-Chloroethoxy) Acetate         | VS-M071461 | 83881-47-4  |
| 16619 | Diisobutyl Phthalate                      | VS-M071462 | 84-69-5     |
| 16620 | Dibutyl Phthalate                         | VS-M071463 | 84-74-2     |
| 16621 | 4-Hydroxy-3-(4-Hydroxybenzyl)Benzaldehyde | VS-M071464 | 853233-62-2 |
| 16622 | 2-Benzoylbenzoic Acid                     | VS-M071465 | 85-52-9     |
| 16623 | Indigo Carmine                            | VS-M071466 | 860-22-0    |

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| 16624 | 1-Naphthoic Acid                                       | VS-M071467 | 86-55-5     |
| 16625 | N-Methyl-2-pyrrolidone                                 | VS-M071468 | 872-50-4    |
| 16626 | 4-(Methylthio)benzyl Chloride                          | VS-M071469 | 874-87-3    |
| 16627 | 2,6-dichlorophenol                                     | VS-M071470 | 87-65-0     |
| 16628 | Tartaric Acid                                          | VS-M071471 | 87-69-4     |
| 16629 | 2-Acetylthiophene                                      | VS-M071472 | 88-15-3     |
| 16630 | 3-Chloropentanenitrile                                 | VS-M071473 | 88725-90-0  |
| 16631 | O-Nitrophenol                                          | VS-M071474 | 88-75-5     |
| 16632 | Picric acid                                            | VS-M071475 | 88-89-1     |
| 16633 | phthalic acid                                          | VS-M071476 | 88-99-3     |
| 16634 | 6-Cyanophthalide                                       | VS-M071477 | 89877-62-3  |
| 16635 | Polysorbate 20                                         | VS-M071478 | 9005-64-5   |
| 16636 | 2-Phenylphenol                                         | VS-M071479 | 90-43-7     |
| 16637 | 4-Cyanophthalide                                       | VS-M071480 | 90483-95-7  |
| 16638 | Sodium Hyaluronate                                     | VS-M071481 | 9067-32-7   |
| 16639 | 3-(Acetylamino)-4-hydroxybenzoic acid                  | VS-M071482 | 91004-38-5  |
| 16640 | Divinyl Benzene                                        | VS-M071483 | 91-14-5     |
| 16641 | Naphthalene                                            | VS-M071484 | 91-20-3     |
| 16642 | 2-Bromo-4-Fluoro-N-Methylbenzamide                     | VS-M071485 | 923138-87-8 |
| 16643 | 12-Oxo-Stearic Acid                                    | VS-M071486 | 925-44-0    |
| 16644 | 4-Bromobiphenyl                                        | VS-M071487 | 92-66-0     |
| 16645 | 3-Hydroxy-2-Naphthoic Acid                             | VS-M071488 | 92-70-6     |
| 16646 | 2-(2-Aminoethoxy)ethanol                               | VS-M071489 | 929-06-6    |
| 16647 | 3,4-Dimethoxyphenyl acetic acid                        | VS-M071490 | 93-40-3     |
| 16648 | 1-Phenyl-1,2-ethanediol                                | VS-M071491 | 93-56-1     |
| 16649 | Methyl Benzoate                                        | VS-M071492 | 93-58-3     |
| 16650 | N,N,N,N-tetrabutylpropane-1,3-diamine                  | VS-M071493 | 94107-99-0  |
| 16651 | 3-(1-Pyrrolidinyl)propiophenone                        | VS-M071494 | 94-39-3     |
| 16652 | Methoxy Acid                                           | VS-M071495 | 946707-55-7 |
| 16653 | 2-Methoxy naphthoic acid                               | VS-M071496 | 947-62-6    |
| 16654 | o-Xylene                                               | VS-M071497 | 95-47-6     |
| 16655 | o-Chloro Anisidine                                     | VS-M071498 | 95-51-2     |
| 16656 | Isoliquiritigenin                                      | VS-M071499 | 961-29-5    |
| 16657 | Methylcyclopentane                                     | VS-M071500 | 96-37-7     |
| 16658 | 4-Methyl-3-Nitrobenzoic acid                           | VS-M071501 | 96-98-0     |
| 16659 | Phosphatidylethanolamine                               | VS-M071502 | 97281-51-1  |
| 16660 | alpha-Terpineol                                        | VS-M071503 | 98-55-5     |
| 16661 | N-(2-Aminoethyl) ethane-1,2-diamine                    | VS-M071504 | 98824-35-2  |
| 16662 | 3-(4-chlorophenyl)-3-cyanopropanic acid                | VS-M071505 | 98923-51-4  |
| 16663 | 3-Nitrobenzaldehyde Impurity Standard                  | VS-M071506 | 99-61-6     |
| 16664 | Gamma-Terpinene                                        | VS-M071507 | 99-85-4     |
| 16665 | Alpha-Terpinene                                        | VS-M071508 | 99-86-5     |
| 16666 | p-Cymene                                               | VS-M071509 | 99-87-6     |
| 16667 | 4-Chloroacetophenone                                   | VS-M071510 | 99-91-2     |
| 16668 | Hexamethyldisilazane                                   | VS-M071511 | 999-97-3    |
| 16669 | 4-Hydroxy-4-((3-oxocyclohexyl)oxy)cyclohexan-1-one     | VS-M071512 | N/A         |
| 16670 | 3-Hydroxy-3-((3-hydroxycyclohexyl)oxy)cyclohexan-1-one | VS-M071513 | N/A         |

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| 16671 | 2-(2-Hydroxy-3-oxopentan-2-yl)cyclohexane-1,3-dione                                        | VS-M071514 | N/A          |
| 16672 | 2-(3-Oxopentan-2-ylidene)cyclohexane-1,3-dione                                             | VS-M071515 | N/A          |
| 16673 | 2-(3-Hydroxy-2-oxopentan-3-yl)cyclohexane-1,3-dione                                        | VS-M071516 | N/A          |
| 16674 | 2-(2-Oxopentan-3-ylidene)cyclohexane-1,3-dione                                             | VS-M071517 | N/A          |
| 16675 | 2,2'-(Cyclohexane-1,3-diylbis(azanediyl))bis(propan-1-ol)                                  | VS-M071518 | N/A          |
| 16676 | N-(2-Aminoethyl)-N-(2-((2-aminoethyl)amino)ethyl)nitrous amide                             | VS-M071519 | N/A          |
| 16677 | N,N'-(Ethane-1,2-diyl)bis(N-(2-aminoethyl)nitrous amide)                                   | VS-M071520 | N/A          |
| 16678 | Phosphatidic Acid Monosodium                                                               | VS-M071521 | N/A          |
| 16679 | N-Nitroso Indigo carmine                                                                   | VS-M071522 | N/A          |
| 16680 | 4-Amino-1-methylpiperazine 1-oxide                                                         | VS-M071523 | N/A          |
| 16681 | Calcium Gluconate                                                                          | VS-M071524 | N/A          |
| 16682 | trans-Cinnamic acid HCl                                                                    | VS-M071525 | N/A          |
| 16683 | 1-Methoxynaphthalene                                                                       | VS-M071526 | 2216-69-5    |
| 16684 | Diethyl Phthalate                                                                          | VS-M071527 | 84-66-2      |
| 16685 | 4-Chlorophenol                                                                             | VS-M071528 | 106-48-9     |
| 16686 | Allylamine                                                                                 | VS-M071529 | 107-11-9     |
| 16687 | Ethylene Glycol                                                                            | VS-M071530 | 107-21-1     |
| 16688 | 1,3-Butanediol                                                                             | VS-M071531 | 107-88-0     |
| 16689 | Butyric acid                                                                               | VS-M071532 | 107-92-6     |
| 16690 | Biuret                                                                                     | VS-M071533 | 108-19-0     |
| 16691 | 1-(o-Chloro-a-phenylbenzyl)piperazine                                                      | VS-M071534 | 109036-15-9  |
| 16692 | 1,4-Dibromobutane                                                                          | VS-M071535 | 110-52-1     |
| 16693 | 1,4-Butanediol                                                                             | VS-M071536 | 110-63-4     |
| 16694 | N-Methyl-4-pyridinamine                                                                    | VS-M071537 | 1121-58-0    |
| 16695 | Methyl Oleate                                                                              | VS-M071538 | 112-62-9     |
| 16696 | 2,4-Dinitrophenylhydrazine                                                                 | VS-M071539 | 119-26-6     |
| 16697 | 2'-Hydroxyacetophenone Oxime                                                               | VS-M071540 | 1196-29-8    |
| 16698 | 4-(2-Bromoethyl)-1,3-dihydro-2H-indolin-2-one                                              | VS-M071541 | 120427-96-5  |
| 16699 | 1-(3,4-Dimethoxybicyclo[4.2.0]octa-1,3,5-trien-7-yl)-N-methylmethanamine hydrochloride     | VS-M071542 | 1206230-28-5 |
| 16700 | 5-[[4-[2-(N-methyl-N-2-pyridinyl) amino] ethoxy benzylidene}-2,4-thiazolidine dione        | VS-M071543 | 122320-74-5  |
| 16701 | 1-{4-[4-(2-Hydroxy-3-isopropylamino-propoxy)-benzyl]-phenoxy}-3-isopropylamino-propan-2-ol | VS-M071544 | 1225195-70-9 |
| 16702 | (R)-1-(Naphthalen-1-yl)-N-(3-(trifluoromethyl)benzyl)ethan-1-amine                         | VS-M071545 | 1229512-52-0 |
| 16703 | Tris(hydroxymethyl)nitromethane                                                            | VS-M071546 | 126-11-4     |
| 16704 | (R,R,R)-2-Azabicyclo[3.3.0]octane-3-carboxylic Acid Benzyl Ester                           | VS-M071547 | 129101-19-5  |
| 16705 | 6-Hydroxy-2-naphthalenesulfonic Acid Sodium Salt                                           | VS-M071548 | 135-76-2     |
| 16706 | Bis(Methylthio)-2-Nitroethylene                                                            | VS-M071549 | 13623-94-4   |
| 16707 | Nithiamide                                                                                 | VS-M071550 | 140-40-9     |
| 16708 | Methyl (2S)-amino(2-chlorophenyl) acetate                                                  | VS-M071551 | 141109-14-0  |
| 16709 | Methyl [2-(2-thienyl)ethylamino](2-chlorophenyl)acetate                                    | VS-M071552 | 141109-26-4  |
| 16710 | 1,3-Dichloropropane                                                                        | VS-M071553 | 142-28-9     |
| 16711 | Hexanoic Acid                                                                              | VS-M071554 | 142-62-1     |
| 16712 | Methyl 5-(diphenylphosphoryl)pentanoate                                                    | VS-M071555 | 146964-27-4  |
| 16713 | Isopentyl Mesylate                                                                         | VS-M071556 | 16156-55-1   |
| 16714 | 5-(1-Piperazinyl)-2-benzofurancarboxylic Acid Ethyl Ester                                  | VS-M071557 | 163521-20-8  |

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| 16715 | 4-METHOXY-3-METHYLPHENYLACETONE                                                                            | VS-M071558 | 16882-23-8  |
| 16716 | (1-Chloropropan-2-yl)dimethylamine Hydrochloride                                                           | VS-M071559 | 17256-39-2  |
| 16717 | Ethyl 1H-imidazole-1-acetate                                                                               | VS-M071560 | 17450-34-9  |
| 16718 | 10H-Phenothiazine-2-carboxamide                                                                            | VS-M071561 | 1778-82-1   |
| 16719 | N-(p-Chlorobenzhydryl)piperazine dihydrochloride                                                           | VS-M071562 | 18719-22-7  |
| 16720 | trans-4-Phenyl-3-buten-2-one                                                                               | VS-M071563 | 1896-62-4   |
| 16721 | 2-ETHYNYLPYRIDINE                                                                                          | VS-M071564 | 1945-84-2   |
| 16722 | 2-(3-chloropropyl)-[1,2,4]-Triazolo[4,3-a]pyridin-3(2H)-one                                                | VS-M071565 | 19666-40-1  |
| 16723 | Decylamine                                                                                                 | VS-M071566 | 2016-57-1   |
| 16724 | Cubenol                                                                                                    | VS-M071567 | 21284-22-0  |
| 16725 | 2,5-Dichloropyrimidine                                                                                     | VS-M071568 | 22536-67-0  |
| 16726 | 4-Phenyl-2-butanone                                                                                        | VS-M071569 | 2550-26-7   |
| 16727 | 2-Aminobutyric acid                                                                                        | VS-M071570 | 2835-81-6   |
| 16728 | 2-Benzimidazolecarboxylic acid                                                                             | VS-M071571 | 2849-93-6   |
| 16729 | (S)-1-tert-Butylamino-2,3-propanediol                                                                      | VS-M071572 | 30315-46-9  |
| 16730 | Maleic Acid Monomethyl Ester                                                                               | VS-M071573 | 3052-50-4   |
| 16731 | Ethyl 2-Cyclohexyl-2-hydroxyphenylacetate                                                                  | VS-M071574 | 31197-69-0  |
| 16732 | Paroxol Tosylate                                                                                           | VS-M071575 | 317323-77-6 |
| 16733 | 1-Piperonylpiperazine                                                                                      | VS-M071576 | 32231-06-4  |
| 16734 | (-)-O,O'-Di-p-toluoyl-L-tartaric Acid                                                                      | VS-M071577 | 32634-66-5  |
| 16735 | 2,5-Dibromopyrimidine                                                                                      | VS-M071578 | 32779-37-6  |
| 16736 | 2-Iodo-1,4-bis(trifluoromethyl)benzene                                                                     | VS-M071579 | 328-92-7    |
| 16737 | Ethylenediamine dihydrochloride                                                                            | VS-M071580 | 333-18-6    |
| 16738 | Pseudoephedrine Hydrochloride                                                                              | VS-M071581 | 345-78-8    |
| 16739 | Methylenetriphenylphosphine                                                                                | VS-M071582 | 3487-44-3   |
| 16740 | 4-[2-(2-Hydroxyethoxy)ethyl]Morpholine                                                                     | VS-M071583 | 3603-45-0   |
| 16741 | 1-(4-Fluorophenyl)-1,3-dihydro-3-oxo-5-isobenzofurancarboxylic acid                                        | VS-M071584 | 372941-51-0 |
| 16742 | 2-Hydroxypyrimidine Hydrochloride                                                                          | VS-M071585 | 38353-09-2  |
| 16743 | (R)-(+)-1-(1-Naphthyl)ethylamine                                                                           | VS-M071586 | 3886-70-2   |
| 16744 | (1R,3R)-1-(1,3-Benzodioxol-5-yl)-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carboxylic Acid Hydrochloride | VS-M071587 | 406938-39-4 |
| 16745 | 1-Methylimidazole-5-carboxylic acid                                                                        | VS-M071588 | 41806-40-0  |
| 16746 | L-Tryptophan Methyl Ester                                                                                  | VS-M071589 | 4299-70-1   |
| 16747 | 4,6-Dichloro-2-(Methylsulfonyl)pyrimidine                                                                  | VS-M071590 | 4489-34-3   |
| 16748 | Butyrophenone                                                                                              | VS-M071591 | 495-40-9    |
| 16749 | D(+)-Glucose                                                                                               | VS-M071592 | 50-99-7     |
| 16750 | 4-Amino-Benzenesulfonic Acid Monosodium Salt                                                               | VS-M071593 | 515-74-2    |
| 16751 | N-Hydroxyphthalimide                                                                                       | VS-M071594 | 524-38-9    |
| 16752 | Bronopol                                                                                                   | VS-M071595 | 52-51-7     |
| 16753 | 2,2-Dichloro-ethyl Ester Acetic Acid                                                                       | VS-M071596 | 535-15-9    |
| 16754 | Ethionamide                                                                                                | VS-M071597 | 536-33-4    |
| 16755 | 2-[3-[Bis(2-chloroethyl)amino]propyl]-1,2,4-triazolo[4,3-a]pyridin-3(2H)-one                               | VS-M071598 | 53689-10-4  |
| 16756 | Diphenylcarbazone                                                                                          | VS-M071599 | 538-62-5    |
| 16757 | 5-(Trifluoromethyl)uracil                                                                                  | VS-M071600 | 54-20-6     |
| 16758 | 3-(Dimethylamino)-1-(2-thienyl)-1-propanone Hydrochloride                                                  | VS-M071601 | 5424-47-5   |
| 16759 | Pyridoxal 5'-Phosphate                                                                                     | VS-M071602 | 54-47-7     |

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| 16760 | 2-(THIOPHEN-2-YL)PROPANOIC ACID                                              | VS-M071603 | 54955-39-4  |
| 16761 | 3-Chloro-N,N-Bis(2-Chloroethyl)Benzenamine                                   | VS-M071604 | 5520-28-5   |
| 16762 | 2,4-Dichloro-5-methylpyridine                                                | VS-M071605 | 56961-78-5  |
| 16763 | Bis(2-ethylhexyl) Sulfosuccinate Sodium Salt                                 | VS-M071606 | 577-11-7    |
| 16764 | [Di(benzyloxy)methyl]benzene                                                 | VS-M071607 | 5784-65-6   |
| 16765 | Chlordiazepoxide                                                             | VS-M071608 | 58-25-3     |
| 16766 | Pyridoxine Hydrochloride                                                     | VS-M071609 | 58-56-0     |
| 16767 | (tert-Butoxycarbonylmethyl)triphenylphosphonium bromide                      | VS-M071610 | 59159-39-6  |
| 16768 | 2,2-Dichloro-3,3-dimethylbutane                                              | VS-M071611 | 594-84-3    |
| 16769 | 4-Chloro-m-cresol                                                            | VS-M071612 | 59-50-7     |
| 16770 | Beta-Lactose                                                                 | VS-M071613 | 5965-66-2   |
| 16771 | Chlorobutanol Hemihydrate                                                    | VS-M071614 | 6001-64-5   |
| 16772 | Dansyl Chloride                                                              | VS-M071615 | 605-65-2    |
| 16773 | 2',6'-FORMOXYLIDIDE                                                          | VS-M071616 | 607-92-1    |
| 16774 | N-Methylcinnamylamine                                                        | VS-M071617 | 60960-88-5  |
| 16775 | 2-Bromo-4'-methylacetophenone                                                | VS-M071618 | 619-41-0    |
| 16776 | Isopropyl Benzenesulfonate                                                   | VS-M071619 | 6214-18-2   |
| 16777 | N-Nitrosodipropylamine                                                       | VS-M071620 | 621-64-7    |
| 16778 | 3-Chloropropionyl Chloride                                                   | VS-M071621 | 625-36-5    |
| 16779 | 2-Nitroethanol                                                               | VS-M071622 | 625-48-9    |
| 16780 | Nor Propranolol Hydrochloride                                                | VS-M071623 | 62618-09-1  |
| 16781 | 5-(4-(2-(5-Ethylpyridin-2-yl)ethoxy)benzylidene)thiazolidine-2,4-dione       | VS-M071624 | 627502-58-3 |
| 16782 | 3-Chloropropylamine Hydrochloride                                            | VS-M071625 | 6276-54-6   |
| 16783 | 4,6-Dichloro-2-(methylthio)pyrimidine                                        | VS-M071626 | 6299-25-8   |
| 16784 | Phenytoin Sodium                                                             | VS-M071627 | 630-93-3    |
| 16785 | 5-Bromophthalide                                                             | VS-M071628 | 64169-34-2  |
| 16786 | Chlortetracycline Hydrochloride                                              | VS-M071629 | 64-72-2     |
| 16787 | Pyridoxal Hydrochloride                                                      | VS-M071630 | 65-22-5     |
| 16788 | Chlorophenyl Piperazine Hydrochloride Salt                                   | VS-M071631 | 65369-76-8  |
| 16789 | 5-Methoxytryptamine Hydrochloride                                            | VS-M071632 | 66-83-1     |
| 16790 | 1,2,3,6-Tetrahydropyridine                                                   | VS-M071633 | 694-05-3    |
| 16791 | Rhododendrol                                                                 | VS-M071634 | 69617-84-1  |
| 16792 | 2-Hydroxypyridine                                                            | VS-M071635 | 72762-00-6  |
| 16793 | (Z)-1-(METHYLAMINO)-2-NITROETHENETHIOL                                       | VS-M071636 | 735237-34-0 |
| 16794 | (S)-(+)-2,2-Dimethylcyclopropanecarboxamide                                  | VS-M071637 | 75885-58-4  |
| 16795 | 1-(3,4-Dichlorophenyl)piperazine dihydrochloride                             | VS-M071638 | 76835-17-1  |
| 16796 | 2-Methyl-2-nitropropane-1,3-diol                                             | VS-M071639 | 77-49-6     |
| 16797 | a-Bromodiphenylmethane                                                       | VS-M071640 | 776-74-9    |
| 16798 | 2-(4-Ethyl-2,3-dioxopiperazine-1-carboxamido)-2-(4-hydroxyphenyl)acetic Acid | VS-M071641 | 79868-75-0  |
| 16799 | (4-Fluoro-2-hydroxyphenyl)(piperidin-4-yl)methanone Hydrochloride            | VS-M071642 | 81043-50-7  |
| 16800 | Acryloyl Chloride                                                            | VS-M071643 | 814-68-6    |
| 16801 | 4-Amino-1-naphthalenesulfonic Acid                                           | VS-M071644 | 84-86-6     |
| 16802 | 1-Naphthol-4-sulfonic acid                                                   | VS-M071645 | 84-87-7     |
| 16803 | N-(3-hydroxy-3-phenylpropyl)-N-methylacetamide                               | VS-M071646 | 851878-50-7 |
| 16804 | 1-Naphthol                                                                   | VS-M071647 | 90-15-3     |
| 16805 | (17β)-4-Methylestra-1,3,5(10)-triene-3,17-diol                               | VS-M071648 | 94595-18-3  |



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| 16806 | Biphenyl-2-carboxylic Acid                         | VS-M071649 | 947-84-2    |
| 16807 | N-(3-Phenyl)-2-propenyl Cinnarizine Chloride       | VS-M071650 | 95062-18-3  |
| 16808 | 2-Amino-4-chlorophenol                             | VS-M071651 | 95-85-2     |
| 16809 | Salicylaldehyde Azine                              | VS-M071652 | 959-36-4    |
| 16810 | 7-Cyanoindole                                      | VS-M071653 | 96631-87-7  |
| 16811 | 2-Ethenylbenzaldehyde                              | VS-M071654 | 28272-96-0  |
| 16812 | (R)-(-)-4-(2,3-Epoxypropoxy)carbazole              | VS-M071655 | 95093-96-2  |
| 16813 | 3-(p-Chlorophenyl)glutaramide                      | VS-M071656 | 159156-84-0 |
| 16814 | 1-Amino Hydantoin Hydrochloride                    | VS-M071657 | 2827-56-7   |
| 16815 | Butylated hydroxyanisole                           | VS-M071658 | 25013-16-5  |
| 16816 | Butyl Methanesulfonate                             | VS-M071659 | 1912-32-9   |
| 16817 | Choline Alfoscerate                                | VS-M071660 | 28319-77-9  |
| 16818 | Curcumin                                           | VS-M071661 | 458-37-7    |
| 16819 | Cystamine Dihydrochloride                          | VS-M071662 | 56-17-7     |
| 16820 | Diethylborinic Acid                                | VS-M071663 | 4426-31-7   |
| 16821 | Dexamfetamine sulfate                              | VS-M071664 | 51-63-8     |
| 16822 | Imidazole HCl                                      | VS-M071665 | 1467-16-9   |
| 16823 | Isopropyl Ethanesulfonate                          | VS-M071666 | 14245-62-6  |
| 16824 | Mupirocin Lithium                                  | VS-M071667 | 73346-79-9  |
| 16825 | Nicotinic Anilide                                  | VS-M071668 | 1752-96-1   |
| 16826 | Nortropine                                         | VS-M071669 | 538-09-0    |
| 16827 | Prothionamide                                      | VS-M071670 | 14222-60-7  |
| 16828 | Potassium Bromide                                  | VS-M071671 | 03-02-58    |
| 16829 | Ethyl 1,4-dihydroxy-2-naphthoate                   | VS-M071672 | 66928-23-2  |
| 16830 | 1,4-dioxo-1,4-dihydronaphthalene-2-carboxylic acid | VS-M071673 | 20962-84-9  |
| 16831 | 4,4'-azanediyldibenzonitrile                       | VS-M071674 | 36602-05-8  |
| 16832 | 2-cyclopentylidene-2-phenylacetic acid             | VS-M071675 | 126497-27-6 |
| 16833 | 1,2-Bis(acetoxy-methyloxy)ethane                   | VS-M071676 | 90114-17-3  |
| 16834 | Benzimidazole Nitro compound                       | VS-M071677 | 10597-52-1  |
| 16835 | Butabarbital                                       | VS-M071678 | 125-40-6    |
| 16836 | Phenyl-2-(Phenylthio) amine hydrochloride          | VS-M071679 | 6764-13-2   |
| 16837 | 1-benzyl-1,4,7,10-tetraazacyclododecane            | VS-M071680 | 112193-83-6 |
| 16838 | 4-Dichloromethylbenzoic acid methyl ester          | VS-M071681 | 99846-96-5  |
| 16839 | Octanoyl Chloride                                  | VS-M071682 | 111-64-8    |
| 16840 | Glycine                                            | VS-M071683 | 56-40-6     |
| 16841 | D-(+)-Galactose                                    | VS-M071684 | 59-23-4     |
| 16842 | Guanfacine Hydrochloride                           | VS-M071685 | 29110-48-3  |
| 16843 | Glycine aminoacetic acid                           | VS-M071686 | 87867-94-5  |
| 16844 | Methyl behenate                                    | VS-M071687 | 929-77-1    |
| 16845 | Propylhydrazone                                    | VS-M071688 | 29443-43-4  |
| 16846 | Potassium bitartrate                               | VS-M071689 | 868-14-4    |
| 16847 | O-Phosphorylethanolamine                           | VS-M071690 | 1071-23-4   |
| 16848 | Regadenoson hydrate                                | VS-M071691 | 875148-45-1 |
| 16849 | Sucrose                                            | VS-M071692 | 57-50-1     |
| 16850 | Salicylic Acid                                     | VS-M071693 | 69-72-7     |
| 16851 | Simeprevir                                         | VS-M071694 | 923604-59-5 |
| 16852 | Saquinavir                                         | VS-M071695 | 127779-20-8 |

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| 16853 | Succinylcholine Chloride                                                                         | VS-M071696 | 6101-15-1    |
| 16854 | Succinyl Monocholine Chloride                                                                    | VS-M071697 | 5297-17-6    |
| 16855 | Fast Blue B Salt                                                                                 | VS-M071698 | 14263-94-6   |
| 16856 | Glutaraldehyde (24-26% in Water)                                                                 | VS-M071699 | 111-30-8     |
| 16857 | Timonacic Acid                                                                                   | VS-M071700 | 444-27-9     |
| 16858 | Theobromine                                                                                      | VS-M071701 | 83-67-0      |
| 16859 | Triethylene glycol                                                                               | VS-M071702 | 112-27-6     |
| 16860 | D-Tagatose                                                                                       | VS-M071703 | 87-81-0      |
| 16861 | 5,12-Dihydro-5,7,12,14-tetraazapentacene                                                         | VS-M071704 | 531-47-5     |
| 16862 | Trifluoroacetyl fluoride                                                                         | VS-M071705 | 354-34-7     |
| 16863 | Tegafur                                                                                          | VS-M071706 | 17902-23-7   |
| 16864 | 3-(Chloromethyl)-1-methyl-1H-1,2,4-triazole Hydrochloride                                        | VS-M071707 | 135206-76-7  |
| 16865 | Xanthene-9-carboxamide                                                                           | VS-M071708 | 5813-90-1    |
| 16866 | 2',4,4',6'-tetrahydroxy-3-methoxychalcone                                                        | VS-M071709 | 52218-19-6   |
| 16867 | 4-Nitro-2-(trifluoromethyl)phenol                                                                | VS-M071710 | 1548-61-4    |
| 16868 | N-methyl-1H-imidazole-1-carboxamide                                                              | VS-M071711 | 72002-25-6   |
| 16869 | 3-Hydroxy-4-sulfobenzoic Acid                                                                    | VS-M071712 | 88122-95-6   |
| 16870 | 4-(dimethylamino)benzenesulphonic acid                                                           | VS-M071713 | 121-58-4     |
| 16871 | L-Carnitine Orotate                                                                              | VS-M071714 | 160468-17-7  |
| 16872 | methyl hydrogen sulphate                                                                         | VS-M071715 | 75-93-4      |
| 16873 | 2-Hydroxy-4,6-dimethoxybenzoic acid                                                              | VS-M071716 | 3187-19-7    |
| 16874 | trans-4-Aminocyclohexanol                                                                        | VS-M071717 | 27489-62-9   |
| 16875 | 2,4'-Difluorobenzophenone                                                                        | VS-M071718 | 342-25-6     |
| 16876 | 4-Chloro-4'-fluorobenzophenone                                                                   | VS-M071719 | 2069-48-9    |
| 16877 | Methyl 4-(4-methoxyphenyl)-4-oxobutyrates                                                        | VS-M071720 | 5447-74-5    |
| 16878 | N-ethylcarbamoyle chloride                                                                       | VS-M071721 | 41891-13-8   |
| 16879 | (S)- $\alpha$ -Ethyl-2-oxo-1-pyrrolidineacetic acid (R)- $\alpha$ -methylbenzenemethanamine      | VS-M071722 | 102916-46-1  |
| 16880 | 4-Phenylbenzoyl chloride                                                                         | VS-M071723 | 14002-51-8   |
| 16881 | 4-(Aminomethyl)cyclohexanemethanol                                                               | VS-M071724 | 1074-62-0    |
| 16882 | L-Isoleucine Methyl Ester                                                                        | VS-M071725 | 2577-46-0    |
| 16883 | 1H-Imidazole-4-carboxamide 5-(formylamino) hydrochloride                                         | VS-M071726 | 147156-43-2  |
| 16884 | 4-(hydroxymethyl)cyclohexane-1-carbonitrile                                                      | VS-M071727 | 39779-20-9   |
| 16885 | 1-(1-Bromoethyl)-3-methoxybenzene                                                                | VS-M071728 | 88563-83-1   |
| 16886 | 1,1-Bis(4-Fluorophenyl)Butane                                                                    | VS-M071729 | 1121585-10-1 |
| 16887 | 2-Chloro-1-(3-hydroxyphenyl)-ethanol                                                             | VS-M071730 | NA           |
| 16888 | 2-Fluorobenzenesulfonyl chloride                                                                 | VS-M071731 | 2905-21-7    |
| 16889 | 2,2'-Bi(1,3-dioxolane)                                                                           | VS-M071732 | 6705-89-1    |
| 16890 | 2-(Chloromethyl)-3,5-dimethylpyridin-4-ol hydrochloride                                          | VS-M071733 | 220770-99-0  |
| 16891 | 3-Aminophenylacetic acid                                                                         | VS-M071734 | 14338-36-4   |
| 16892 | 4-[(2R)-2-[(1R)-2,2,2-Trifluoro-1-hydroxyethyl]-1-pyrrolidinyl]-2-(trifluoromethyl)-benzonitrile | VS-M071735 | 1165910-22-4 |
| 16893 | N,N-Dimethyl-2-(phenyl(pyridin-2-yl)methoxy)ethan-1-amine Oxalate                                | VS-M071736 | NA           |
| 16894 | Oxymetholone                                                                                     | VS-M071737 | 434-07-1     |
| 16895 | 4'-((5-(Azidomethyl)-2-butyl-4-chloro-1H-imidazol-1-yl)methyl)-[1,1'-biphenyl]-2-carboxylic Acid | VS-M071738 | NA           |
| 16896 | 1-methyl-2-iodo-1H-benzo[d]imidazole                                                             | VS-M071739 | 34734-15-1   |

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| 16897 | N,N-Diethylsulphanilic acid                            | VS-M071740 | 35478-73-0   |
| 16898 | 4-((5-Chloro-3-fluoro-2-pyridinyl)oxy)phenol           | VS-M071741 | 89402-40-4   |
| 16899 | (R)-1-Benzyl-3-Boc-Aminopiperidine                     | VS-M071742 | 454713-13-4  |
| 16900 | (3-(4-Piperidyl)-1,2-Benzisoxazole HCl)                | VS-M071743 | 84163-22-4   |
| 16901 | N-Nitroso-3-pyrrolidinol                               | VS-M071744 | 56222-35-6   |
| 16902 | N,N'-Bis-(4-nitrophenyl)urea                           | VS-M071745 | 587-90-6     |
| 16903 | 2-chloro-3-methylimidazo[1,2-a]pyridine                | VS-M071746 | 1802819-48-2 |
| 16904 | N-Nitroso-Folic acid                                   | VS-M071747 | 26360-21-4   |
| 16905 | 2-Hydroxy-3-methylpentanoic Acid                       | VS-M071748 | 488-15-3     |
| 16906 | Succinyl Monocholine Iodide                            | VS-M071749 | 14720-92-4   |
| 16907 | N1,N2-Bis(7-chloroquinolin-4-yl)ethane-1,2-diamine     | VS-M071750 | 140926-75-6  |
| 16908 | 2-(N,N-diethylamino)methyl-8-methyl-quin               | VS-M071751 | NA           |
| 16909 | 3-Cyclopentyl-2-propenoic acid                         | VS-M071752 | 5732-89-8    |
| 16910 | 2,3-Dibromo-1,3-diphenyl-1-propanone                   | VS-M071753 | 611-91-6     |
| 16911 | 1,7-dibenzyl-1,4,7,10-tetraazacyclododecane            | VS-M071754 | 156970-79-5  |
| 16912 | 4-Chloro-N,N-dimethyl-2-butanamine Hydrochloride       | VS-M071755 | 31412-48-3   |
| 16913 | 1,1-Dimethylethyl N-(1-nitroso-3-piperidinyl)carbamate | VS-M071756 | 1973427-27-8 |
| 16914 | 2,2'-azanediyibis(1-(3-chlorophenyl)propan-1-one       | VS-M071757 | NA           |
| 16915 | N-Nitroso-1,2,3,6-Tetrahydropyridine                   | VS-M071758 | 55556-92-8   |
| 16916 | Lithium Lactate                                        | VS-M071759 | 867-55-0     |
| 16917 | N-Nitrosodiisopropylamine                              | VS-M071760 | 601-77-4     |
| 16918 | N-Nitrosopiperidine                                    | VS-M071761 | 100-75-4     |
| 16919 | N-Nitrosodiethylamine                                  | VS-M071762 | 55-18-5      |
| 16920 | N-Nitroso-Di-N-Butylamine                              | VS-M071763 | 924-16-3     |
| 16921 | N-Nitroso-N'-methylpiperazine                          | VS-M071764 | 16339-07-4   |
| 16922 | N-Nitroso-N-Methylbenzylamine                          | VS-M071765 | 937-40-6     |
| 16923 | N-Nitrosodibenzylamine                                 | VS-M071766 | 5336-53-8    |
| 16924 | N-Nitroso Piperazine Monomer                           | VS-M071767 | 5632-47-3    |
| 16925 | N-Nitroso-N-Methyl-4-Amino Butyric Acid                | VS-M071768 | 61445-55-4   |
| 16926 | N-Nitroso-N-ethylaniline                               | VS-M071769 | 612-64-6     |
| 16927 | 2-Nitrodiphenylamine                                   | VS-M071770 | 119-75-5     |
| 16928 | N-Nitroso Ethyl Isopropyl Amine NEIPA                  | VS-M071771 | 16339-04-1   |
| 16929 | N-benzyl-N-ethylnitrous amide                          | VS-M071772 | 20689-96-7   |
| 16930 | N-Nitroso Bis(2-chloroethyl)amine                      | VS-M071773 | 67856-68-2   |
| 16931 | N-Nitrosodicyclohexylamine                             | VS-M071774 | 947-92-2     |
| 16932 | N-Nitroso-2-pyrrolidone                                | VS-M071775 | NA           |
| 16933 | N-Nitrosodiethanolamine                                | VS-M071776 | 1116-54-7    |
| 16934 | N-Nitrosodiphenylamine                                 | VS-M071777 | 86-30-6      |
| 16935 | N-Nitroso-N-Ethyl piperazine                           | VS-M071778 | 65504-33-8   |
| 16936 | N-Nitroso-L-proline                                    | VS-M071779 | 7519-36-0    |
| 16937 | 5-(Diethylamino)-2-nitrosophenol Hydrochloride         | VS-M071780 | 25953-06-4   |
| 16938 | N-Nitrosodiethylamine-D10                              | VS-M071781 | 1219794-54-3 |
| 16939 | N-Nitrosodimethylamine-d6                              | VS-M071782 | 17829-05-9   |
| 16940 | 1-Nitrosopyrrolidine                                   | VS-M071783 | 930-55-2     |
| 16941 | N-Nitrosopropanolol                                    | VS-M071784 | 84418-35-9   |
| 16942 | N-Nitrosodiisobutylamine                               | VS-M071785 | 997-95-5     |
| 16943 | 2-(4-Morpholine)ethyl bromide                          | VS-M071786 | 89583-07-3   |

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| 16944 | 2-(Octyloxy)benzoic Acid                                                         | VS-M071787 | 27830-12-2  |
| 16945 | Methyl 2-(octyloxy)benzoate                                                      | VS-M071788 | 255062-85-2 |
| 16946 | Oxandrolone 17-Sulfate-D3                                                        | VS-M071789 | NA          |
| 16947 | Oxantel Pamoate                                                                  | VS-M071790 | 68813-55-8  |
| 16948 | Pseudooxynicotine dihydrochloride                                                | VS-M071791 | 66093-90-1  |
| 16949 | 1-(4-Hydroxyphenyl)-5-methylpyridin-2(1H)-one                                    | VS-M071792 | 851518-71-3 |
| 16950 | Phenyl Vinyl Ketone                                                              | VS-M071793 | 768-03-6    |
| 16951 | Isobutylene Oxide                                                                | VS-M071794 | 558-30-5    |
| 16952 | 2-Methoxy-1-butanol                                                              | VS-M071795 | 15467-25-1  |
| 16953 | N-(2-Methoxy-2-methylpropyl)formamide                                            | VS-M071796 | 112129-25-6 |
| 16954 | 1-Nitrosoazetidine                                                               | VS-M071797 | 15216-10-1  |
| 16955 | Tetracosene                                                                      | VS-M071798 | 10192-32-2  |
| 16956 | 2-Phenylthiophene                                                                | VS-M071799 | 825-55-8    |
| 16957 | Sodium selenite                                                                  | VS-M071800 | 10102-18-8  |
| 16958 | 1,3-Dibromopropane                                                               | VS-M071801 | 109-64-8    |
| 16959 | 1,2-Dimethoxybenzene                                                             | VS-M071802 | 91-16-7     |
| 16960 | N-Boc-D-proline                                                                  | VS-M071803 | 37784-17-1  |
| 16961 | 2-Cyanoacetamide                                                                 | VS-M071804 | 107-91-5    |
| 16962 | 2-Bromopropane                                                                   | VS-M071805 | 75-26-3     |
| 16963 | 3,4-Dimethoxybenzyl Cyanide                                                      | VS-M071806 | 93-17-4     |
| 16964 | Heptadecanoic Acid                                                               | VS-M071807 | 506-12-7    |
| 16965 | L-Homoserine Lactone Hydrobromide                                                | VS-M071808 | 15295-77-9  |
| 16966 | 3-Aminopyridine                                                                  | VS-M071809 | 462-08-8    |
| 16967 | 4-Hydroxypyridine                                                                | VS-M071810 | 626-64-2    |
| 16968 | (2R,3S,4R,5R)-5-((Benzoyloxy)methyl)-3-fluorotetrahydrofuran-2,4-diyl dibenzoate | VS-M071811 | 97614-43-2  |
| 16969 | 4-Bromo-3,5-dimethylbenzamide                                                    | VS-M071812 | 864825-81-0 |
| 16970 | 7-Hydroxy-2-methyl-chromone                                                      | VS-M071813 | 6320-42-9   |
| 16971 | 1-Phenyl-1H-tetrazole-5-thiol                                                    | VS-M071814 | 86-93-1     |
| 16972 | (R)-2-((Methoxycarbonyl)amino)-2-phenylacetic acid                               | VS-M071815 | 50890-96-5  |
| 16973 | Tetramethylurea                                                                  | VS-M071816 | 632-22-4    |
| 16974 | 1-Thioglycerol                                                                   | VS-M071817 | 96-27-5     |
| 16975 | 2-Chlorobenzamide                                                                | VS-M071818 | 609-66-5    |
| 16976 | 2-Pentenitrile                                                                   | VS-M071819 | 13284-42-9  |
| 16977 | 3-Pentenitrile                                                                   | VS-M071820 | 4635-87-4   |
| 16978 | 4,4'-Dimethylbiphenyl                                                            | VS-M071821 | 613-33-2    |
| 16979 | Benzonitrile                                                                     | VS-M071822 | 100-47-0    |
| 16980 | (S)-Amlodipine                                                                   | VS-M071823 | 103129-82-4 |
| 16981 | 4'-(Bromomethyl)-2-methyl-1,1'-biphenyl                                          | VS-M071824 | 927911-71-5 |
| 16982 | Pyridine-2,5-dicarbonitrile                                                      | VS-M071825 | 20730-07-8  |
| 16983 | 3-CYANO-6-HYDROXYPYRIDINE                                                        | VS-M071826 | 94805-52-4  |
| 16984 | 2-Propenoic acid, 2-methyl-, polymer with ethyl 2-propenoate                     | VS-M071827 | 25212-88-8  |
| 16985 | POLY(METHYL ACRYLATE)                                                            | VS-M071828 | 9003-21-8   |
| 16986 | 3,5-Dimethylphenylhydrazine hydrochloride                                        | VS-M071829 | 60481-36-9  |
| 16987 | 2-Cyanopyridine                                                                  | VS-M071830 | 100-70-9    |
| 16988 | (2R,3S)-3-phenylisoserine methyl ester                                           | VS-M071831 | 131968-74-6 |
| 16989 | Ninhydrin                                                                        | VS-M071832 | 485-47-2    |

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| 16990 | 1-Chloroprop-1-ene                                                                                               | VS-M071833 | 590-21-6     |
| 16991 | Tetrabromocatechol                                                                                               | VS-M071834 | 488-47-1     |
| 16992 | Allantoin                                                                                                        | VS-M071835 | 97-59-6      |
| 16993 | Mequitazine                                                                                                      | VS-M071836 | 29216-28-2   |
| 16994 | D-Valine                                                                                                         | VS-M071837 | 640-68-6     |
| 16995 | 2-Amino-3-chlorophenol                                                                                           | VS-M071838 | 56962-00-6   |
| 16996 | 2,3-Phenazinediamine                                                                                             | VS-M071839 | 655-86-7     |
| 16997 | Diisopropyl Fumarate                                                                                             | VS-M071840 | 7283-70-7    |
| 16998 | (1S, 2S)-(1-BENZYL-3-CHLORO-2-HYDROXY-PROPYL)-CARBAMIC ACID<br>TERT-BUTYL ESTER                                  | VS-M071841 | 165727-45-7  |
| 16999 | (3S)-3-(tert-Butoxycarbonyl)amino-1-chloro-4-phenyl-2-butanone                                                   | VS-M071842 | 102123-74-0  |
| 17000 | (2R,3S)-3-(tert-Butoxycarbonylamino)-1-chloro-2-hydroxy-4-phenylbutane                                           | VS-M071843 | 162536-40-5  |
| 17001 | 2-(4-Chlorobenzoyl)pyridine                                                                                      | VS-M071844 | 6318-51-0    |
| 17002 | Methyltestosterone                                                                                               | VS-M071845 | 58-18-4      |
| 17003 | Stanozolol                                                                                                       | VS-M071846 | 10418-03-8   |
| 17004 | 6-Methyl-N-phenylpyridin-2-amine                                                                                 | VS-M071847 | 32631-59-7   |
| 17005 | (R)-4-(Ethylamino)-2-(3-methoxypropyl)-3,4-dihydro-2H-thieno[3,2-<br>e][1,2]thiazine-6-sulfonic acid 1,1-dioxide | VS-M071848 | NA           |
| 17006 | 3-Methoxyphenylacetic Acid                                                                                       | VS-M071849 | 1798-09-0    |
| 17007 | N-(5-Methylpyridin-2-yl)nitrous amide                                                                            | VS-M071850 | 126209-21-0  |
| 17008 | 4-Chlorodehydromethyltestosterone                                                                                | VS-M071851 | 2446-23-3    |
| 17009 | Methyl 4-Amino-3-methylbenzoate                                                                                  | VS-M071852 | 18595-14-7   |
| 17010 | (2-Chlorophenyl)(phenyl)methanol                                                                                 | VS-M071853 | 6954-45-6    |
| 17011 | 1-Chloro-3-(chloro(phenyl)methyl)benzene                                                                         | VS-M071854 | 13391-39-4   |
| 17012 | 1,2,3,4-Tetrahydro-6,7-dimethoxy-2-methyl-1-phenylisoquinoline                                                   | VS-M071855 | 4008-69-9    |
| 17013 | methyl 3-(3,4-dimethoxyphenyl)-2-methyloxirane-2-carboxylate                                                     | VS-M071856 | 13605-37-3   |
| 17014 | 5-Bromo-2-methyl-3-nitrobenzoic Acid                                                                             | VS-M071857 | 107650-20-4  |
| 17015 | (2S)-3-hydroxy-2-[(2-methylpropan-2-yl)oxycarbonylamino]butanoic acid                                            | VS-M071858 | 23082-29-3   |
| 17016 | 1-Aminocyclopentane-1-carbonitrile                                                                               | VS-M071859 | 49830-37-7   |
| 17017 | 3-Amino-5-bromo-2-methyl-benzoic acid methyl ester                                                               | VS-M071860 | 1000342-11-9 |
| 17018 | N-(2-Chloroethyl)-1,2-ethanediamine Dihydrochloride                                                              | VS-M071861 | 5590-29-4    |
| 17019 | 3-Acetamidopiperidine                                                                                            | VS-M071862 | 5810-55-9    |
| 17020 | [N(E)]-2-Methyl-N-(phenyl methylene)-2-propanamine                                                               | VS-M071863 | 75815-77-9   |
| 17021 | N-tert-butyl-1-phenylmethanimine                                                                                 | VS-M071864 | 6852-58-0    |
| 17022 | 2-Propanamine,2-methyl-N-(phenylmethylene)-[N(Z)]                                                                | VS-M071865 | 115262-05-0  |
| 17023 | Tetra butylammonium hydroxide in methanol                                                                        | VS-M071866 | 2052-49-5    |
| 17024 | 2,2'-Bis(diphenylphosphino)-1,1'-binaphthyl                                                                      | VS-M071867 | 98327-87-8   |
| 17025 | 4,4'-Dibromobiphenyl                                                                                             | VS-M071868 | 92-86-4      |
| 17026 | 1,3-Dichloro-2-propanol                                                                                          | VS-M071869 | 96-23-1      |
| 17027 | 2-METHYL-1-NAPHTHOL                                                                                              | VS-M071870 | 7469-77-4    |
| 17028 | Butanoic acid, 4,4-dimethoxy sodium salt                                                                         | VS-M071871 | NA           |
| 17029 | Bis-methylphenidate                                                                                              | VS-M071872 | 2125941-27-5 |
| 17030 | (S)-(+)-3-Chloro-1,2-propanediol                                                                                 | VS-M071873 | 60827-45-4   |
| 17031 | 3-Bromo Thiophene                                                                                                | VS-M071874 | 872-31-1     |
| 17032 | 2-Nitrobenzenesulfonyl chloride                                                                                  | VS-M071875 | 1694-92-4    |
| 17033 | 4-Methoxy-3-methylphenylacetonitrile                                                                             | VS-M071876 | 75391-57-0   |

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| 17034 | (S)-4-Nitrophenylalaninemethylester                                                                                         | VS-M071877 | 81677-60-3   |
| 17035 | (2-(Methylamino)pyridin-3-yl)methanol                                                                                       | VS-M071878 | 32399-12-5   |
| 17036 | 2,4-Dihydroxypyrrolo[2,3-d]pyrimidine                                                                                       | VS-M071879 | 39929-79-8   |
| 17037 | Perhydroacenaphthene                                                                                                        | VS-M071880 | 2146-36-3    |
| 17038 | N,N-Dimethyl-2-phenoxyethanamine                                                                                            | VS-M071881 | 13468-02-5   |
| 17039 | 5-Bromo-4-nitro-1H-imidazole                                                                                                | VS-M071882 | 6963-65-1    |
| 17040 | n-chloropropane                                                                                                             | VS-M071883 | 540-54-5     |
| 17041 | Vinylene Carbonate                                                                                                          | VS-M071884 | 872-36-6     |
| 17042 | 2-Chloro-5-iodobenzoic acid                                                                                                 | VS-M071885 | 19094-56-5   |
| 17043 | 4,6-Dimethyl-5,6-dihydropyrimidine-2-(1H)-thione                                                                            | VS-M071886 | NA           |
| 17044 | 4-Fluoro-2-methylphenylboronic Acid                                                                                         | VS-M071887 | 139911-29-8  |
| 17045 | 2,3-Dimethyl-4-(2,2,2-trifluoroethoxy)pyridine Hydrochloride                                                                | VS-M071888 | NA           |
| 17046 | Phthalide                                                                                                                   | VS-M071889 | 87-41-2      |
| 17047 | 1,3-Bis(2-naphthalenyloxy)-2-propanol                                                                                       | VS-M071890 | 17216-11-4   |
| 17048 | 3-Fluorobenzyl alcohol                                                                                                      | VS-M071891 | 456-47-3     |
| 17049 | Boronophthalide                                                                                                             | VS-M071892 | 5735-41-1    |
| 17050 | 2-Chloro-8-cyclopentyl-5-methyl-8H-pyrido[2,3-d]pyrimidin-7-one                                                             | VS-M071893 | 1013916-37-4 |
| 17051 | 2-[(naphthalen-2-yloxy)methyl]oxirane                                                                                       | VS-M071894 | 5234-06-0    |
| 17052 | Phosphonium, [[4-(4-fluorophenyl)-6-(1-methylethyl)-2-methyl(methylsulfonyl)amino]-5-pyrimidinyl]methyl]triphenyl-, bromide | VS-M071895 | 885477-83-8  |
| 17053 | N-[(4-Fluorophenyl)methyl]-1-methyl-4-piperidinamine                                                                        | VS-M071896 | 359878-47-0  |
| 17054 | 16 $\alpha$ -Homo 2-(Hydroxymethyl)betamethasone                                                                            | VS-M071897 | 944031-56-5  |
| 17055 | Flavoxate                                                                                                                   | VS-M071898 | 15301-69-6   |
| 17056 | Hydrocortisone Butyrate                                                                                                     | VS-M071899 | 13609-67-1   |
| 17057 | Hydrocortisone Hemisuccinate Hydrate                                                                                        | VS-M071900 | 83784-20-7   |
| 17058 | Hydrocortisone Phosphate Triethylamine                                                                                      | VS-M071901 | 122764-80-1  |
| 17059 | Hydrocortisone valerate                                                                                                     | VS-M071902 | 57524-89-7   |
| 17060 | OXANDROLONE RELATED COMPOUND B CIII                                                                                         | VS-M071903 | 4424-45-7    |
| 17061 | Oxandrolone                                                                                                                 | VS-M071904 | 53-39-4      |
| 17062 | 3-Aminopiperidine Dihydrochloride                                                                                           | VS-M071905 | 138060-07-8  |
| 17063 | Methyl-5-Amino-3-Bromo-2-Methyl Benzoate                                                                                    | VS-M071906 | 1374264-44-4 |
| 17064 | 5-Bromoindole                                                                                                               | VS-M071907 | 10075-50-0   |
| 17065 | Pyrene                                                                                                                      | VS-M071908 | 129-00-0     |
| 17066 | 4-Amino-3-chloropyridine                                                                                                    | VS-M071909 | 19798-77-7   |
| 17067 | N,N'-Bis(2,2,2-trifluoroethyl)urea                                                                                          | VS-M071910 | 406-11-1     |
| 17068 | 6,7-Dimethoxy-1-phenyl-1,2,3,4-tetrahydroisoquinoline                                                                       | VS-M071911 | 4118-36-9    |
| 17069 | 1-(4-Hydroxyphenyl)piperazine                                                                                               | VS-M071912 | 56621-48-8   |
| 17070 | tert-Butyl tert-butylcarbamate                                                                                              | VS-M071913 | 71872-03-2   |
| 17071 | 3, 4-Dimethoxybenzyl chloride                                                                                               | VS-M071914 | 7306-46-9    |
| 17072 | (5-Bromo-2-chlorophenyl)(2-methoxyphenyl)methanone                                                                          | VS-M071915 | 1771251-94-5 |
| 17073 | 2-tert-Butyl-1,4-dimethoxybenzene                                                                                           | VS-M071916 | 21112-37-8   |
| 17074 | Triphenylphosphine                                                                                                          | VS-M071917 | 603-35-0     |
| 17075 | 4-Bromo-2-Methyl-2H-1,2,3-triazole                                                                                          | VS-M071918 | 16681-67-7   |
| 17076 | 3 $\beta$ -acetoxy-17-iodoandrost-5,16-diene                                                                                | VS-M071919 | 114611-53-9  |
| 17077 | Butalbital                                                                                                                  | VS-M071920 | 77-26-9      |
| 17078 | Talbutal                                                                                                                    | VS-M071921 | 115-44-6     |

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| 17079 | Triphenylphosphine oxide                                          | VS-M071922 | 791-28-6     |
| 17080 | Idobutal                                                          | VS-M071923 | 3146-66-5    |
| 17081 | Andrographolide                                                   | VS-M071924 | 5508-58-7    |
| 17082 | 5-Hydroxypentanoic Acid                                           | VS-M071925 | 13392-69-3   |
| 17083 | 2-Iodo-4-methoxyaniline                                           | VS-M071926 | 191348-14-8  |
| 17084 | Ethyl 2-oxocyclopentylacetate                                     | VS-M071927 | 20826-94-2   |
| 17085 | 1-Morpholinocyclopentene                                          | VS-M071928 | 936-52-7     |
| 17086 | 4-Benzyloxyphenylhydrazine hydrochloride                          | VS-M071929 | 52068-30-1   |
| 17087 | 2-(2-Ethoxyphenoxy)ethanol                                        | VS-M071930 | 3250-73-5    |
| 17088 | 2-Bromo-5-fluoro-3-methylpyridine                                 | VS-M071931 | 38186-85-5   |
| 17089 | 4-Cyanophenylboronic acid                                         | VS-M071932 | 126747-14-6  |
| 17090 | 2-Amino-4-methylpyrimidine                                        | VS-M071933 | 108-52-1     |
| 17091 | Ruphos-Pd-G3                                                      | VS-M071934 | 1445085-77-7 |
| 17092 | tBuBrettPhos                                                      | VS-M071935 | 1160861-53-9 |
| 17093 | Acetone Dichloromethane                                           | VS-M071936 | 96124-92-4   |
| 17094 | 4-Bromobenzhydrol                                                 | VS-M071937 | 29334-16-5   |
| 17095 | Nitroso-L-arginine                                                | VS-M071938 | 2492451-27-9 |
| 17096 | Nitroso 1 carbethoxybutyl alanine                                 | VS-M071939 | NA           |
| 17097 | 2-Bromoethyl methyl ether                                         | VS-M071940 | 6482-24-2    |
| 17098 | 1-Pyridin-2-yl-propan-2-one                                       | VS-M071941 | 09-02-02     |
| 17099 | Imidazole-1- acetic acid-t-butyl ester                            | VS-M071942 | 83468-75-1   |
| 17100 | N-Nitroso Ethylene Diamino Triacetic Acid                         | VS-M071943 | 862542-34-5  |
| 17101 | 2-Methyl-5,6-dihydro-4H-pyran                                     | VS-M071944 | 16015-11-5   |
| 17102 | Trans-Terpin                                                      | VS-M071945 | 565-50-4     |
| 17103 | N-Ethyl-N-Propylpivalamide Impurity                               | VS-M071946 | NA           |
| 17104 | 1-Bromo-6,6-dimethyl-2-hepten-4-yne(Mixture of cis-trans isomers) | VS-M071947 | 126764-15-6  |
| 17105 | Grubbs Catalyst, 2nd Generation                                   | VS-M071948 | 246047-72-3  |
| 17106 | Diethylamine Nitroso Impurity                                     | VS-M071949 | NA           |
| 17107 | Diethylamine Dinitroso Impurity                                   | VS-M071950 | 13256-12-7   |
| 17108 | 1-Oxotriazane                                                     | VS-M071951 | 42363-85-9   |
| 17109 | 2-bromo-5-(oxetan-3-yloxy)pyrazine                                | VS-M071952 | 1862391-43-2 |
| 17110 | 1-Bromo-2-butyne                                                  | VS-M071953 | 3355-28-0    |
| 17111 | 2,2,2-TRICHLOROETHANOL                                            | VS-M071954 | 115-20-8     |
| 17112 | 1-[2-(2-Oxiranylmethoxy)phenyl]ethanone                           | VS-M071955 | 19533-08-5   |
| 17113 | Sodium Sulfate                                                    | VS-M071956 | 7757-82-6    |
| 17114 | tert-Butyl 2-Amino-6-azaspiro[3.4]octane-6-carboxylate            | VS-M071957 | 1239319-94-8 |
| 17115 | 2-chloromethylpyridine                                            | VS-M071958 | 4377-33-7    |
| 17116 | 1,4-Oxazepane                                                     | VS-M071959 | 5638-60-8    |
| 17117 | 2-Bromo-3-chloro-5-(trifluoromethyl)pyridine                      | VS-M071960 | 75806-84-7   |
| 17118 | 3-Bromo-2-fluorobenzenamine                                       | VS-M071961 | 58534-95-5   |
| 17119 | 4-Amino-3,5-dihydroxybenzoic acid                                 | VS-M071962 | 958232-24-1  |
| 17120 | Iso-Propranolol                                                   | VS-M071963 | 27827-19-6   |
| 17121 | 2,4-Bis(1,1-dimethylethyl)-6-hydroxybenzaldehyde                  | VS-M071964 | 84210-37-7   |
| 17122 | S)-N-Fmoc-4-Bromophenylalanine                                    | VS-M071965 | 198561-04-5  |
| 17123 | 3-Bromo-2,6-piperidinedione                                       | VS-M071966 | 62595-74-8   |
| 17124 | EPhos                                                             | VS-M071967 | 2118959-55-8 |
| 17125 | 10-Bromodecanoic acid tert-butyl ester                            | VS-M071968 | 1644575-06-3 |

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| 17126 | Hydrazine Dihydrochloride                                            | VS-M071969 | 5341-61-7    |
| 17127 | Chloroacetyl Chloride                                                | VS-M071970 | 79-04-9      |
| 17128 | (S)-2-Benzyl-N,N-dimethylaziridine-1-sulfonamide                     | VS-M071971 | 902146-43-4  |
| 17129 | Sulfamonomethoxin                                                    | VS-M071972 | 1220-83-3    |
| 17130 | 2,5-Dichloropyridin-4-amine                                          | VS-M071973 | 405230-82-2  |
| 17131 | 2-Ethoxy-1-ethoxycarbonyl-1,2-dihydroquinoline                       | VS-M071974 | 16357-59-8   |
| 17132 | Melamine                                                             | VS-M071975 | 108-78-1     |
| 17133 | tert-Butyl Carbazate                                                 | VS-M071976 | 870-46-2     |
| 17134 | N,N,N',N'-Tetramethyl-1,3-Propanediamine                             | VS-M071977 | 110-95-2     |
| 17135 | 1,4-DIMETHYLPIPERAZINE                                               | VS-M071978 | 106-58-1     |
| 17136 | 5,10-DIHYDRO-5,10-DIMETHYLPHENAZINE                                  | VS-M071979 | 15546-75-5   |
| 17137 | N,N,N',N'-TETRAMETHYLMETHYLENEDIAMINE                                | VS-M071980 | 51-80-9      |
| 17138 | 4-phenyl-2-pyrrolidone                                               | VS-M071981 | 1198-97-6    |
| 17139 | tert-Butyl (3-chloropropyl)carbamate                                 | VS-M071982 | 116861-31-5  |
| 17140 | Allyl triphenylphosphonium bromide                                   | VS-M071983 | 1560-54-9    |
| 17141 | Sulfamerazine                                                        | VS-M071984 | 127-79-7     |
| 17142 | N-Methylsulfamoyl chloride                                           | VS-M071985 | 10438-96-7   |
| 17143 | (2S)-3-[[[(1,1-Dimethylethoxy)carbonyl]amino]-2-methylpropanoic acid | VS-M071986 | 190897-47-3  |
| 17144 | 6-Chloropyrimidine-4-carbonitrile                                    | VS-M071987 | 939986-65-9  |
| 17145 | Ursolic Acid                                                         | VS-M071988 | 77-52-1      |
| 17146 | Glycyrrhizinic Acid                                                  | VS-M071989 | 1405-86-3    |
| 17147 | Vasicine                                                             | VS-M071990 | 6159-55-3    |
| 17148 | Alantolactone                                                        | VS-M071991 | 546-43-0     |
| 17149 | Piperine                                                             | VS-M071992 | 94-62-2      |
| 17150 | Aloin                                                                | VS-M071993 | 1415-73-2    |
| 17151 | Hydrazine Hydrate                                                    | VS-M071994 | 7803-57-8    |
| 17152 | Methyl 4-(bromomethyl)-3-methoxybenzoate                             | VS-M071995 | 70264-94-7   |
| 17153 | Benzyl 4-methyl-3-oxopentanoate                                      | VS-M071996 | 94250-56-3   |
| 17154 | 5-(Methylthio)-1-phenyl-1H-tetrazole                                 | VS-M071997 | 1455-92-1    |
| 17155 | Methyl 2-cyclopropyl-4-phenyl-3-quinolinecarboxylate                 | VS-M071998 | 868536-53-2  |
| 17156 | 1-(3-Bromo-2,4,6-trimethoxyphenyl)ethanone                           | VS-M071999 | 29784-38-1   |
| 17157 | Misoprostol                                                          | VS-M072000 | 59122-46-2   |
| 17158 | Misoprostol EP Impurity A                                            | VS-M072001 | 1788085-78-8 |
| 17159 | Misoprostol EP Impurity B                                            | VS-M072002 | N/A          |
| 17160 | Misoprostol EP Impurity C                                            | VS-M072003 | 58682-86-3   |
| 17161 | Misoprostol EP Impurity D                                            | VS-M072004 | 1788085-79-9 |
| 17162 | Misoprostol EP Impurity E                                            | VS-M072005 | 58717-36-5   |
| 17163 | Misoprostol EP Impurity F                                            | VS-M072006 | 40098-26-8   |
| 17164 | 8-iso Misoprostol                                                    | VS-M072007 | 1256643-55-6 |
| 17165 | Misoprostol Acid                                                     | VS-M072008 | 66792-31-2   |
| 17166 | (Z)-Misoprostol                                                      | VS-M072009 | 58717-37-6   |
| 17167 | Misoprostol Impurity 1                                               | VS-M072010 | N/A          |
| 17168 | Misoprostol Impurity D                                               | VS-M072011 | 1331639-92-9 |
| 17169 | Mitomycin                                                            | VS-M073000 | 50-07-7      |
| 17170 | Mitomycin EP Impurity A                                              | VS-M073001 | 621-79-4     |
| 17171 | Mitomycin EP Impurity B                                              | VS-M073002 | 4055-39-4    |
| 17172 | Mitomycin EP Impurity C                                              | VS-M073003 | 4055-40-7    |



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| 17173 | Mitomycin EP Impurity D                            | VS-M073004 | 111750-67-5  |
| 17174 | 7-Hydroxy Mitomycin                                | VS-M073005 | 7041-61-4    |
| 17175 | Mitomycin Related Compound 1                       | VS-M073006 | N/A          |
| 17176 | Mitomycin Related Compound 2                       | VS-M073007 | 99745-88-7   |
| 17177 | Mitomycin Impurity 1                               | VS-M073008 | N/A          |
| 17178 | Mitomycin Impurity 2                               | VS-M073009 | N/A          |
| 17179 | Mitoxantrone Hydrochloride                         | VS-M074001 | 70476-82-3   |
| 17180 | Mitoxantrone Impurity A                            | VS-M074002 | 89991-52-6   |
| 17181 | Mitoxantrone EP Impurity B                         | VS-M074003 | 80189-44-2   |
| 17182 | Mitoxantrone Impurity C                            | VS-M074004 | 1796928-50-1 |
| 17183 | Mitoxantrone EP Impurity D                         | VS-M074005 | 137132-70-8  |
| 17184 | Mivacurium                                         | VS-M075000 | 106791-40-6  |
| 17185 | (R)-(+)-5'-Methoxylaudanosine                      | VS-M075001 | 104758-49-8  |
| 17186 | R-(-)-5'-Methoxylaudanosine (-) dibenzoyltartarate | VS-M075002 | 104832-01-1  |
| 17187 | Mivacurium Intermediate S-Isomer                   | VS-M075003 | 104758-47-6  |
| 17188 | Mivacurium Intermediate S-Isomer DBDTA Salt        | VS-M075004 | 107638-73-3  |
| 17189 | Mivacurium Chloride Impurity                       | VS-M075005 | N/A          |
| 17190 | Mivacurium Cis Isomer                              | VS-M075006 | N/A          |
| 17191 | Mivacurium Impurity 1                              | VS-M075007 | 161816-38-2  |
| 17192 | Mivacurium Impurity 2                              | VS-M075008 | 161816-39-3  |
| 17193 | Mivacurium Impurity 3                              | VS-M075009 | 198401-09-1  |
| 17194 | Mivacurium Impurity 4                              | VS-M075010 | 107740-64-7  |
| 17195 | Mivacurium Impurity 5                              | VS-M075011 | 107740-66-9  |
| 17196 | Mivacurium Impurity 6                              | VS-M075012 | 107740-65-8  |
| 17197 | Mivacurium Impurity 7                              | VS-M075013 | 107740-63-6  |
| 17198 | Mivacurium Impurity 8                              | VS-M075014 | 104758-51-2  |
| 17199 | Mivacurium Impurity 9                              | VS-M075015 | 586959-47-9  |
| 17200 | Mivacurium Impurity 10                             | VS-M075016 | N/A          |
| 17201 | Mivacurium Impurity 11                             | VS-M075017 | 586959-46-8  |
| 17202 | Mivacurium Impurity 12                             | VS-M075018 | 61349-11-9   |
| 17203 | Mivacurium Impurity 13                             | VS-M075019 | 7668-86-2    |
| 17204 | Moclobemide                                        | VS-M076000 | 71320-77-9   |
| 17205 | Modafinil                                          | VS-M077000 | 68693-11-8   |
| 17206 | Modafinil EP Impurity A                            | VS-M077001 | 63547-24-0   |
| 17207 | Modafinil EP Impurity B                            | VS-M077002 | 118779-53-6  |
| 17208 | Modafinil EP Impurity C                            | VS-M077003 | 63547-25-1   |
| 17209 | Modafinil Related Compound C                       | VS-M077004 | 68524-30-1   |
| 17210 | Modafinil Related Compound D                       | VS-M077005 | 574-42-5     |
| 17211 | Modafinil Related Compound E                       | VS-M077006 | 1726-02-9    |
| 17212 | Modafinil Impurity F                               | VS-M077007 | 15733-08-1   |
| 17213 | Modafinil Acid Impurity                            | VS-M077008 | 101094-05-7  |
| 17214 | Modafinil Methyl Ester Impurity                    | VS-M077009 | 713134-72-6  |
| 17215 | 2-[(Diphenylmethyl)thio]acetic Acid                | VS-M077010 | 63547-22-8   |
| 17216 | Molindone Hydrochloride                            | VS-M078001 | 15622-65-8   |
| 17217 | Molindone Impurity A                               | VS-M078002 | 32818-79-4   |
| 17218 | Molindone Impurity B                               | VS-M078003 | 504-02-9     |
| 17219 | Molindone Impurity C                               | VS-M078004 | 6116-76-3    |

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| 17220 | Molindone Impurity D                  | VS-M078005 | 22770-60-1   |
| 17221 | Molindone Impurity G                  | VS-M078006 | N/A          |
| 17222 | Molnupiravir                          | VS-M079000 | 2492423-29-5 |
| 17223 | Molnupiravir Dimethyl dioxol Impurity | VS-M079001 | 2346620-55-9 |
| 17224 | 2',3'-Isopropylidenecytidine          | VS-M079002 | 362-42-5     |
| 17225 | N(4)-Hydroxycytidine                  | VS-M079003 | 04-02-58     |
| 17226 | Molnupiravir Impurity 2               | VS-M079004 | 886538-48-3  |
| 17227 | Molnupiravir Impurity 1               | VS-M079005 | 2770244-32-9 |
| 17228 | Molnupiravir Cytidine ester           | VS-M079006 | 886538-46-1  |
| 17229 | Molnupiravir uridine impurity         | VS-M079007 | 58-96-8      |
| 17230 | Molnupiravir Impurity 3               | VS-M079008 | 1686124-74-2 |
| 17231 | Molsidomine                           | VS-M080000 | 25717-80-0   |
| 17232 | Molsidomine EP Impurity A             | VS-M080001 | 744953-71-7  |
| 17233 | Molsidomine EP Impurity B             | VS-M080002 | 59-89-2      |
| 17234 | Molsidomine EP Impurity C             | VS-M080003 | 26179-71-5   |
| 17235 | Molsidomine EP Impurity D             | VS-M080004 | 4394-85-8    |
| 17236 | Molsidomine EP Impurity E             | VS-M080005 | 110-91-8     |
| 17237 | Mometasone Furoate                    | VS-M081001 | 83919-23-7   |
| 17238 | Mometasone EP Impurity A              | VS-M081002 | 83880-65-3   |
| 17239 | Mometasone EP Impurity B              | VS-M081003 | 223776-49-6  |
| 17240 | Mometasone EP Impurity C              | VS-M081004 | 1305334-31-9 |
| 17241 | Mometasone EP Impurity D              | VS-M081005 | 83881-09-8   |
| 17242 | Mometasone EP Impurity E              | VS-M081006 | 1370190-33-2 |
| 17243 | Mometasone EP Impurity F              | VS-M081007 | 1305334-30-8 |
| 17244 | Mometasone EP Impurity G              | VS-M081008 | 105102-22-5  |
| 17245 | Mometasone EP Impurity H              | VS-M081009 | 148596-90-1  |
| 17246 | Mometasone EP Impurity I              | VS-M081010 | N/A          |
| 17247 | Mometasone Impurity J                 | VS-M081011 | 1370190-55-8 |
| 17248 | Mometasone Impurity K                 | VS-M081012 | 4647-20-5    |
| 17249 | Mometasone Impurity L                 | VS-M081013 | 24916-90-3   |
| 17250 | Mometasone Impurity M                 | VS-M081014 | 57780-86-6   |
| 17251 | Mometasone Impurity N                 | VS-M081015 | 352315-75-4  |
| 17252 | Mometasone Impurity O                 | VS-M081016 | 24916-91-4   |
| 17253 | Mometasone Impurity P                 | VS-M081017 | N/A          |
| 17254 | Mometasone EP Impurity Q              | VS-M081018 | 83881-08-7   |
| 17255 | Mometasone Impurity R                 | VS-M081019 | 1370190-08-1 |
| 17256 | Mometasone Impurity S                 | VS-M081020 | N/A          |
| 17257 | Mometasone EP Impurity T              | VS-M081021 | N/A          |
| 17258 | Mometasone-17,20-Difuroate            | VS-M081022 | N/A          |
| 17259 | Mometasone Furoate Impurity 1         | VS-M081023 | N/A          |
| 17260 | Mometasone Furoate Monohydrate        | VS-M081024 | 141646-00-6  |
| 17261 | Mometasone Impurity 1                 | VS-M081025 | N/A          |
| 17262 | Mometasone Impurity 2                 | VS-M081026 | N/A          |
| 17263 | Mometasone Impurity 4                 | VS-M081027 | NA           |
| 17264 | Monensin Sodium                       | VS-M082001 | 22373-78-0   |
| 17265 | Monocrotaline                         | VS-M083000 | 315-22-0     |
| 17266 | Monocrotaline N-Oxide                 | VS-M083001 | 35337-98-5   |

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| 17267 | Montelukast                                      | VS-M084000 | 158966-92-8  |
| 17268 | Montelukast (3R)-Hydroxy Benzoate                | VS-M084001 | 150026-72-5  |
| 17269 | Montelukast (3R)-Hydroxy Propanol                | VS-M084002 | 150026-75-8  |
| 17270 | Montelukast (3RS)-Hydroxy Propanol               | VS-M084003 | 959235-68-8  |
| 17271 | Montelukast (3S)-Hydroxy Benzoate                | VS-M084004 | 142569-69-5  |
| 17272 | Montelukast (3S)-Hydroxy Methoxymethoxy Impurity | VS-M084005 | 184764-20-3  |
| 17273 | Montelukast (3S)-Hydroxy Methylketone            | VS-M084006 | 184764-13-4  |
| 17274 | Montelukast (3S)-Hydroxy Propanol                | VS-M084007 | 287930-77-2  |
| 17275 | Montelukast (R)-Hydroxy Metabolite               | VS-M084008 | 184763-26-6  |
| 17276 | Montelukast (S)-Hydroxy Metabolite               | VS-M084009 | 184763-29-9  |
| 17277 | Montelukast 1,2-Diol                             | VS-M084010 | 186352-97-6  |
| 17278 | Montelukast 3-Oxo Benzoate                       | VS-M084011 | 149968-11-6  |
| 17279 | Montelukast Acid Methyl Ester                    | VS-M084012 | 855473-51-7  |
| 17280 | Montelukast Acyl- $\beta$ -D-Glucuronide Acetate | VS-M084013 | 188717-17-1  |
| 17281 | Montelukast Amide                                | VS-M084014 | 866923-63-9  |
| 17282 | Montelukast Dicarboxylic Acid Disodium Salt      | VS-M084015 | 213380-27-9  |
| 17283 | Montelukast Dicyclohexylamine                    | VS-M084016 | 577953-88-9  |
| 17284 | Montelukast Dihydro Impurity                     | VS-M084017 | 142147-98-6  |
| 17285 | Montelukast Disulfide Diacid Impurity            | VS-M084018 | 162515-67-5  |
| 17286 | Montelukast Disulfide Dimethyl Ester             | VS-M084019 | 1446481-28-2 |
| 17287 | Montelukast Sodium EP Impurity A                 | VS-M084020 | 190078-45-6  |
| 17288 | Montelukast EP Impurity B                        | VS-M084021 | 918972-54-0  |
| 17289 | Montelukast EP Impurity C                        | VS-M084022 | 909849-96-3  |
| 17290 | Montelukast EP Impurity C (R isomer)             | VS-M084023 | N/A          |
| 17291 | Montelukast EP Impurity D                        | VS-M084024 | 1187586-61-3 |
| 17292 | Montelukast EP Impurity D / E                    | VS-M084025 | 2125943-58-8 |
| 17293 | Montelukast EP Impurity E                        | VS-M084026 | 1187586-58-8 |
| 17294 | Montelukast EP Impurity F                        | VS-M084027 | 937275-23-5  |
| 17295 | Montelukast EP Impurity G                        | VS-M084028 | 774538-96-4  |
| 17296 | Montelukast EP Impurity H                        | VS-M084029 | 851755-56-1  |
| 17297 | Montelukast EP Impurity I                        | VS-M084030 | 2045402-27-3 |
| 17298 | Montelukast Ether Impurity                       | VS-M084031 | 168214-67-3  |
| 17299 | Montelukast Ketocarinol Impurity                 | VS-M084032 | N/A          |
| 17300 | Montelukast Ketone Impurity                      | VS-M084033 | 1258428-71-5 |
| 17301 | Montelukast Lactone                              | VS-M084034 | 1100617-38-6 |
| 17302 | Montelukast Mercapto Acid Impurity               | VS-M084035 | 162515-68-6  |
| 17303 | Montelukast Methoxymethoxy Impurity              | VS-M084036 | 184764-27-0  |
| 17304 | Montelukast Methyl Ether                         | VS-M084037 | 1351973-25-5 |
| 17305 | Montelukast Nitrile Impurity                     | VS-M084038 | 866923-62-8  |
| 17306 | Montelukast Racemate (Acid)                      | VS-M084039 | N/A          |
| 17307 | Montelukast Sodium                               | VS-M084040 | 151767-02-1  |
| 17308 | Montelukast Sulfone                              | VS-M084041 | 1266620-74-9 |
| 17309 | Montelukast Impurity                             | VS-M084042 | 152922-86-6  |
| 17310 | Montelukast Chloroalcohol impurity               | VS-M084043 | 880769-28-8  |
| 17311 | Montelukast Dehydro Impurity                     | VS-M084044 | 168214-68-4  |
| 17312 | Montelukast KSM-II Lactone Impurity              | VS-M084045 | 162515-66-4  |
| 17313 | Montelukast Thioglucolate Analog                 | VS-M084046 | N/A          |

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| 17314 | Montelukast R-Sulfoxide                                 | VS-M084047 | 1152185-58-4 |
| 17315 | Montelukast Impurity 1                                  | VS-M084048 | 866923-64-0  |
| 17316 | Montelukast Impurity 2                                  | VS-M084049 | 220927-27-5  |
| 17317 | Montelukast Impurity 3                                  | VS-M084050 | 152922-71-9  |
| 17318 | Montelukast Impurity 4                                  | VS-M084051 | N/A          |
| 17319 | Montelukast Impurity 5                                  | VS-M084052 | N/A          |
| 17320 | Montelukast Impurity 6                                  | VS-M084053 | 142569-70-8  |
| 17321 | Montelukast Dimer Impurity                              | VS-M084054 | 120578-04-3  |
| 17322 | Montelukast Acid Impurity                               | VS-M084055 | NA           |
| 17323 | Mosapride                                               | VS-M085000 | 112885-41-3  |
| 17324 | Mosapride Citrate Dihydrate                             | VS-M085001 | 636582-62-2  |
| 17325 | Mosapride N-Oxide                                       | VS-M085002 | 1161443-73-7 |
| 17326 | Mosapride Lactose Conjugate                             | VS-M085003 | N/A          |
| 17327 | Mosapride Citric Amide                                  | VS-M085004 | 1215825-20-9 |
| 17328 | Mosapride Impurity 1                                    | VS-M085005 | 2196138-12-0 |
| 17329 | Mosapride Impurity 2                                    | VS-M085006 | 112914-16-6  |
| 17330 | Mosapride Impurity 3                                    | VS-M085007 | N/A          |
| 17331 | Mosapride Impurity 4                                    | VS-M085008 | N/A          |
| 17332 | Mosapride Impurity 5                                    | VS-M085009 | 152013-26-8  |
| 17333 | Mosapride Impurity 6                                    | VS-M085010 | N/A          |
| 17334 | Mosapride Impurity 7                                    | VS-M085011 | N/A          |
| 17335 | Mosapride Impurity 8                                    | VS-M085012 | N/A          |
| 17336 | Mosapride Impurity 9                                    | VS-M085013 | 112914-13-3  |
| 17337 | Moxidectin                                              | VS-M086000 | 113507-06-5  |
| 17338 | Moxidectin EP Impurity A                                | VS-M086001 | N/A          |
| 17339 | Moxidectin EP Impurity B                                | VS-M086002 | N/A          |
| 17340 | Moxidectin EP Impurity C                                | VS-M086003 | N/A          |
| 17341 | Moxidectin EP Impurity D                                | VS-M086004 | N/A          |
| 17342 | Moxidectin EP Impurity E                                | VS-M086005 | 2482741-71-7 |
| 17343 | Moxidectin EP Impurity F                                | VS-M086006 | N/A          |
| 17344 | Moxidectin EP Impurity G                                | VS-M086007 | N/A          |
| 17345 | Moxidectin EP Impurity H                                | VS-M086008 | N/A          |
| 17346 | Moxidectin EP Impurity I                                | VS-M086009 | N/A          |
| 17347 | Moxidectin EP Impurity J                                | VS-M086010 | N/A          |
| 17348 | Moxidectin EP Impurity K                                | VS-M086011 | 174756-99-1  |
| 17349 | Moxidectin EP Impurity L                                | VS-M086012 | 119718-45-5  |
| 17350 | Moxidectin Impurity 1                                   | VS-M086013 | N/A          |
| 17351 | Moxidectin Impurity 2                                   | VS-M086014 | N/A          |
| 17352 | Moxidectin Impurity 3                                   | VS-M086015 | N/A          |
| 17353 | Moxidectin Impurity 4                                   | VS-M086016 | 102130-84-7  |
| 17354 | Moxifloxacin HCl                                        | VS-M087001 | 186826-86-8  |
| 17355 | Moxifloxacin EP Impurity A                              | VS-M087002 | 151213-15-9  |
| 17356 | Moxifloxacin EP Impurity B                              | VS-M087003 | 1029364-73-5 |
| 17357 | Moxifloxacin EP Impurity C                              | VS-M087004 | 1029364-75-7 |
| 17358 | Moxifloxacin EP Impurity D                              | VS-M087005 | 1029364-77-9 |
| 17359 | Moxifloxacin EP Impurity E (2,2,2-Trifluoroacetic acid) | VS-M087006 | N/A          |
| 17360 | Moxifloxacin EP Impurity G                              | VS-M087007 | 268545-13-7  |

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| 17361 | Moxifloxacin EP Impurity H                                                           | VS-M087008 | 721970-35-0  |
| 17362 | Moxifloxacin EP Impurity F                                                           | VS-M087009 | 1350716-67-4 |
| 17363 | Moxifloxacin Trifluoro Acid Impurity                                                 | VS-M087010 | 94695-52-0   |
| 17364 | Moxifloxacin Trifluoro Ethyl Ester                                                   | VS-M087011 | 94242-51-0   |
| 17365 | Moxifloxacin Decarboxy Analog                                                        | VS-M087012 | 1322062-57-6 |
| 17366 | Moxifloxacin Difluoro Acid Impurity                                                  | VS-M087013 | 93107-30-3   |
| 17367 | Moxifloxacin Difluoro Ethoxy Acid Impurity                                           | VS-M087014 | 143158-55-8  |
| 17368 | Moxifloxacin Difluoro Ethoxy Ethyl Ester                                             | VS-M087015 | 172602-83-4  |
| 17369 | Moxifloxacin Difluoro Hydroxy Ethyl Ester                                            | VS-M087016 | 452092-31-8  |
| 17370 | Moxifloxacin Difluoro Methoxy Acid Impurity                                          | VS-M087017 | 112811-72-0  |
| 17371 | Moxifloxacin Difluoro Methoxy Ethyl Ester                                            | VS-M087018 | 112811-71-9  |
| 17372 | Moxifloxacin (R,R)-Nonane                                                            | VS-M087019 | 151213-42-2  |
| 17373 | N-Methyltetrafluorophthalimide                                                       | VS-M087020 | 33795-85-6   |
| 17374 | N-Phenyltetrafluorophthalimide                                                       | VS-M087021 | 116508-58-8  |
| 17375 | Moxifloxacin Formyl                                                                  | VS-M087022 | N/A          |
| 17376 | Moxifloxacin Impurity 1                                                              | VS-M087023 | 172426-88-9  |
| 17377 | Moxifloxacin Impurity 2                                                              | VS-M087024 | N/A          |
| 17378 | Moxifloxacin Impurity 3                                                              | VS-M087025 | N/A          |
| 17379 | Moxifloxacin Impurity 4                                                              | VS-M087026 | 2445515-66-0 |
| 17380 | Moxifloxacin Impurity E (Hydrobromide Salt)                                          | VS-M087027 | 1292904-74-5 |
| 17381 | Moxifloxacin Impurity G (HCl)                                                        | VS-M087028 | 1394029-14-1 |
| 17382 | Methyl 1-cyclopropyl-6,7-difluoro-8-methoxy-4-oxo-1,4-dihydroquinoline-3-carboxylate | VS-M087029 | 141290-02-0  |
| 17383 | Moxifloxacin EP Impurity E                                                           | VS-M087030 | 721970-36-1  |
| 17384 | N-Methyl Moxifloxacin                                                                | VS-M087031 | 721970-37-2  |
| 17385 | N-Nitroso Moxifloxacin                                                               | VS-M087032 | N/A          |
| 17386 | MOXIFLOXACIN EP IMPURITY E(Hydrochloride Salt)                                       | VS-M087033 | 2252446-71-0 |
| 17387 | Moxifloxacin USP Related Compound F                                                  | VS-M087034 | 1179992-99-4 |
| 17388 | Moxifloxacin Related Compound B Nitroso Impurity                                     | VS-M087035 | N/A          |
| 17389 | Moxonidine                                                                           | VS-M088000 | 75438-57-2   |
| 17390 | Moxonidine EP Impurity A                                                             | VS-M088001 | 352457-35-3  |
| 17391 | Moxonidine EP Impurity B                                                             | VS-M088002 | 75439-01-9   |
| 17392 | Moxonidine EP Impurity C                                                             | VS-M088003 | 352457-34-2  |
| 17393 | Moxonidine EP Impurity D                                                             | VS-M088004 | 352457-33-1  |
| 17394 | Dihydroxy Moxonidine                                                                 | VS-M088005 | 352457-32-0  |
| 17395 | Moxonidine Impurity 1                                                                | VS-M088006 | 75438-54-9   |
| 17396 | Moxonidine Impurity 2                                                                | VS-M088007 | N/A          |
| 17397 | Moxonidine Impurity 3                                                                | VS-M088008 | 120-93-4     |
| 17398 | Moxonidine Impurity 4                                                                | VS-M088009 | 5391-40-2    |
| 17399 | Mupirocin                                                                            | VS-M089000 | 12650-69-0   |
| 17400 | Mupirocin EP Impurity A                                                              | VS-M089001 | 40980-51-6   |
| 17401 | Mupirocin EP Impurity B                                                              | VS-M089002 | 71980-98-8   |
| 17402 | Mupirocin EP Impurity C                                                              | VS-M089003 | 85248-93-7   |
| 17403 | Mupirocin EP Impurity D                                                              | VS-M089004 | 71087-97-3   |
| 17404 | Mupirocin EP Impurity E                                                              | VS-M089005 | 71087-96-2   |
| 17405 | Mupirocin EP Impurity F                                                              | VS-M089006 | 167842-64-0  |
| 17406 | Mupirocin Calcium                                                                    | VS-M089007 | 115074-43-6  |

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| 17407 | Mupirocin Calcium EP Impurity G            | VS-M089008 | N/A          |
| 17408 | Mupirocin Calcium EP Impurity H            | VS-M089009 | N/A          |
| 17409 | Mupirocin Calcium EP Impurity I            | VS-M089010 | N/A          |
| 17410 | Pseudomonic acid E                         | VS-M089011 | 167842-57-1  |
| 17411 | Mupirocin USP Impurity 3 & 4               | VS-M089012 | N/A          |
| 17412 | Mupirocin Sodium salt                      | VS-M089013 | 64838-37-5   |
| 17413 | Mupirocin EP Impurity A Sodium salt        | VS-M089014 | 85164-88-1   |
| 17414 | Mupirocin EP Impurity B Sodium salt        | VS-M089015 | 72075-07-1   |
| 17415 | Mupirocin EP Impurity C Sodium salt        | VS-M089016 | 85178-60-5   |
| 17416 | Mupirocin EP Impurity D Sodium salt        | VS-M089017 | 116182-43-5  |
| 17417 | Mupirocin EP Impurity E Sodium salt        | VS-M089018 | 116182-44-6  |
| 17418 | Mupirocin Potassium salt                   | VS-M089019 | 870771-36-1  |
| 17419 | Benzyl Ester of Mupirocin                  | VS-M089020 | N/A          |
| 17420 | Phenoxyethyl of Mupirocin                  | VS-M089021 | N/A          |
| 17421 | 1-Glycerol-Monostearate Ester of Mupirocin | VS-M089022 | N/A          |
| 17422 | Mupirocin Impurity 1                       | VS-M089023 | N/A          |
| 17423 | Mutillin                                   | VS-M090000 | 6040-37-5    |
| 17424 | Mutillin Impurity 1                        | VS-M090001 | 87680-55-5   |
| 17425 | Mycophenolate Mofetil                      | VS-M091000 | 128794-94-5  |
| 17426 | Mycophenolate Mofetil EP Impurity A        | VS-M091001 | 1322681-36-6 |
| 17427 | Mycophenolate Mofetil EP Impurity B        | VS-M091002 | 1094322-91-4 |
| 17428 | Mycophenolate Mofetil EP Impurity C        | VS-M091003 | 2286278-51-9 |
| 17429 | Mycophenolate Mofetil EP Impurity D        | VS-M091004 | 1322681-37-7 |
| 17430 | Mycophenolate Mofetil EP Impurity E        | VS-M091005 | 31858-66-9   |
| 17431 | Mycophenolate Mofetil EP Impurity F        | VS-M091006 | 24280-93-1   |
| 17432 | Mycophenolate Mofetil EP Impurity G        | VS-M091007 | 224052-51-1  |
| 17433 | Mycophenolate Mofetil EP Impurity H        | VS-M091008 | 26675-76-3   |
| 17434 | Mycophenolate Mofetil O-Desmethyl Ether    | VS-M091009 | N/A          |
| 17435 | Mycophenolic Acid (Z)-Isomer               | VS-M091010 | N/A          |
| 17436 | Mycophenolic Acid O-Desmethyl Ether        | VS-M091011 | 24243-36-5   |
| 17437 | Mycophenolic Acid O-Desmethyl Impurity     | VS-M091012 | 31858-65-8   |
| 17438 | Mycophenolic Acid O-Desmethyl Methyl Ester | VS-M091013 | 33431-38-8   |
| 17439 | Mycophenolic Acid O-Methyl Impurity        | VS-M091014 | 38877-93-9   |
| 17440 | Mycophenolic Acid O-Methyl Methyl Ester    | VS-M091015 | 60435-90-7   |
| 17441 | Mycophenolic Acid Sorbitol Ester           | VS-M091016 | N/A          |
| 17442 | Mycophenolic Hydroxy Lactone               | VS-M091017 | 26644-06-4   |
| 17443 | Mycophenolic Lactone Ether                 | VS-M091018 | 26693-54-9   |
| 17444 | Mycophenolate Di-Mofetil                   | VS-M091019 | 868993-14-0  |
| 17445 | Mycophenolate Dimer                        | VS-M091020 | 165684-44-6  |
| 17446 | Mycophenolate Dimethylamide                | VS-M091021 | 59058-64-9   |
| 17447 | Mycophenolate Ether                        | VS-M091022 | N/A          |
| 17448 | Mycophenolate Mofetil Ethyl Ester          | VS-M091023 | 13312-25-9   |
| 17449 | Monoethyl Ester Of Phthalic Acid           | VS-M091024 | 2306-33-4    |
| 17450 | Mycophenolic Benzoic acid                  | VS-M091025 | N/A          |
| 17451 | Mycophenolate isosorbide ester             | VS-M091026 | N/A          |
| 17452 | Mycophenolic Acid DP2                      | VS-M091027 | N/A          |
| 17453 | Mycophenolic Acid DP3                      | VS-M091028 | 2390035-84-2 |

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| 17454 | Mycophenolate Aldehyde Impurity              | VS-M091029 | 1936441-51-8 |
| 17455 | Mycophenolate Z-Isomer Impurity              | VS-M091030 | N/A          |
| 17456 | Isopropyl Mycophenolate                      | VS-M091031 | 40336-80-9   |
| 17457 | Mycophenolate Mofetil Hydrochloride          | VS-M091032 | 116680-01-4  |
| 17458 | Mycophenolate Mofetil Sulfate salt           | VS-M091033 | 116680-03-6  |
| 17459 | Mycophenolate Mofetil Impurity 1             | VS-M091034 | 27979-57-3   |
| 17460 | Mycophenolate Mofetil Impurity 2             | VS-M091035 | N/A          |
| 17461 | Mycophenolate Mofetil Impurity 3             | VS-M091036 | 2264050-64-6 |
| 17462 | Mycophenolate Mofetil Impurity 4             | VS-M091037 | 1070228-90-8 |
| 17463 | Mycophenolate Sodium                         | VS-M091038 | 37415-62-6   |
| 17464 | Mycophenolic Acid Dimer                      | VS-M091039 | N/A          |
| 17465 | (Z)-Mycophenolic Acid                        | VS-M091040 | 483-60-3     |
| 17466 | Dicarboxy Mycophenolate sodium               | VS-M091041 | N/A          |
| 17467 | MYCOPHENOLATE Z-ISOMER                       | VS-M091042 | N/A          |
| 17468 | Methcathinone HCl                            | VS-M092001 | 49656-78-2   |
| 17469 | Mesterolone                                  | VS-M093000 | 1424-00-6    |
| 17470 | Methylphenidate hydrochloride                | VS-M094000 | 298-59-9     |
| 17471 | Methylphenidate EP Impurity A                | VS-M094001 | 19395-41-6   |
| 17472 | Methylphenidate EP Impurity B                | VS-M094002 | 113-45-1     |
| 17473 | Methylphenidate EP Impurity C                | VS-M094003 | 19395-39-2   |
| 17474 | Methylphenidate EP Impurity D                | VS-M094004 | NA           |
| 17475 | Methylphenidate EP Impurity E                | VS-M094005 | 57413-43-1   |
| 17476 | Methylphenidate EP Impurity F                | VS-M094006 | 7251-52-7    |
| 17477 | Methylphenidate Hydrochloride Erythro Isomer | VS-M094007 | 29419-96-3   |
| 17478 | Methylphenidate Erythro Isomer               | VS-M094008 | 29419-97-4   |
| 17479 | L-Threo-Methylphenidate                      | VS-M094009 | 40572-71-2   |
| 17480 | D-Threo-Methylphenidate                      | VS-M094010 | 40431-64-9   |
| 17481 | Methylphenidate D10                          | VS-M094011 | 1246912-03-7 |
| 17482 | N-Nitroso Methylphenidate                    | VS-M094012 | 55557-03-4   |
| 17483 | N-Nitroso Methylphenidate EP Impurity A      | VS-M094013 | NA           |
| 17484 | Methylphenidate USP Related Compound A       | VS-M094014 | 19395-40-5   |
| 17485 | Methylene Blue                               | VS-M095000 | 122965-43-9  |
| 17486 | Azure A Impurity                             | VS-M095001 | 531-53-3     |
| 17487 | Azure C Impurity                             | VS-M095002 | 531-57-7     |
| 17488 | Azure A Isomer                               | VS-M095003 | 34185-21-2   |
| 17489 | Thiosulfonic Acid Bindschedler Green (V)     | VS-M095004 | 15967-15-4   |
| 17490 | Benzoyl-Leuco (VIII)                         | VS-M095005 | 1249-97-4    |
| 17491 | Methylene Blue Impurity 1                    | VS-M095006 | NA           |
| 17492 | Azure B                                      | VS-M095007 | 531-55-5     |
| 17493 | Menbutone                                    | VS-M096000 | 3562-99-0    |
| 17494 | Malathion                                    | VS-M097000 | 121-75-5     |
| 17495 | Malathion EP Impurity A                      | VS-M097001 | 05-12-44     |
| 17496 | Malathion EP Impurity B                      | VS-M097002 | 1634-78-2    |
| 17497 | Malathion EP Impurity C                      | VS-M097003 | 33779-98-5   |
| 17498 | O,O-Dimethyl Malathion                       | VS-M097004 | 3700-89-8    |
| 17499 | Tetraethyl Dithiodisuccinate                 | VS-M097005 | 2090-25-7    |
| 17500 | Mancozeb                                     | VS-M098000 | 07-01-18     |

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| 17501 | Mannitol                                  | VS-M099000 | 69-65-8      |
| 17502 | Mannitol EP Impurity A                    | VS-M099001 | 50-70-4      |
| 17503 | Mannitol EP Impurity B                    | VS-M099002 | 585-88-6     |
| 17504 | Mannitol EP Impurity C                    | VS-M099003 | NA           |
| 17505 | n,n-Diacetylcystine Mannitol Impurity     | VS-M099004 | NA           |
| 17506 | Nabumetone                                | VS-N001000 | 42924-53-8   |
| 17507 | Nabumetone EP Impurity A                  | VS-N001001 | 343272-52-6  |
| 17508 | Nabumetone EP Impurity B                  | VS-N001002 | 343272-51-5  |
| 17509 | Nabumetone EP Impurity C                  | VS-N001003 | 65726-24-1   |
| 17510 | Nabumetone EP Impurity D                  | VS-N001004 | 127053-22-9  |
| 17511 | Nabumetone EP Impurity E                  | VS-N001005 | 343272-53-7  |
| 17512 | Nabumetone EP Impurity F                  | VS-N001006 | 29619-45-2   |
| 17513 | 2-Butyl 6-Methoxynaphthalene              | VS-N001007 | 701270-26-0  |
| 17514 | Nabumetone Impurity 1                     | VS-N001008 | N/A          |
| 17515 | Nabumetone Impurity 2                     | VS-N001009 | 05-10-97     |
| 17516 | Nabumetone Impurity 3                     | VS-N001010 | 3900-45-6    |
| 17517 | Nadifloxacin                              | VS-N002000 | 124858-35-1  |
| 17518 | Nadolol                                   | VS-N003000 | 42200-33-9   |
| 17519 | Nadolol EP Impurity A                     | VS-N003001 | N/A          |
| 17520 | Nadolol EP Impurity B                     | VS-N003002 | N/A          |
| 17521 | Nadolol EP Impurity C                     | VS-N003003 | N/A          |
| 17522 | Nadolol EP Impurity D                     | VS-N003004 | 67247-26-1   |
| 17523 | Nadolol EP Impurity E                     | VS-N003005 | 67247-33-0   |
| 17524 | Nadolol EP Impurity F                     | VS-N003006 | 2116-22-5    |
| 17525 | Nadolol EP Impurity G                     | VS-N003007 | 33841-03-1   |
| 17526 | 5,6,7,8-tetrahydronaphthalene-1,6,7-triol | VS-N003008 | 344764-57-4  |
| 17527 | 5,8-Dihydro-1-naphthol                    | VS-N003009 | 27673-48-9   |
| 17528 | Epichlorohydrin                           | VS-N003010 | 106-89-8     |
| 17529 | Nadolol Epoxide Impurity                  | VS-N003011 | 35697-15-5   |
| 17530 | (S)-(+)-Epichlorohydrin                   | VS-N003012 | 67843-74-7   |
| 17531 | Nadolol Citrate Ester                     | VS-N003013 | N/A          |
| 17532 | Nadolol Impurity 1                        | VS-N003014 | N/A          |
| 17533 | Nadolol Impurity 2                        | VS-N003015 | N/A          |
| 17534 | Nadolol Impurity 3                        | VS-N003016 | N/A          |
| 17535 | Naftifine Hydrochloride                   | VS-N004001 | 65473-14-5   |
| 17536 | Cis-Naftifine                             | VS-N004002 | 79416-70-9   |
| 17537 | N-Cinnamyl Naftifine Chloride             | VS-N004003 | NA           |
| 17538 | Naldemedine                               | VS-N005000 | 916072-89-4  |
| 17539 | Nandrolone Decanoate                      | VS-N006000 | 360-70-3     |
| 17540 | Nandrolone Decanoate EP Impurity A        | VS-N006001 | N/A          |
| 17541 | Nandrolone Decanoate EP Impurity B        | VS-N006002 | 1042947-85-2 |
| 17542 | Nandrolone Decanoate EP Impurity C        | VS-N006003 | N/A          |
| 17543 | Nandrolone Decanoate EP Impurity D        | VS-N006004 | 434-22-0     |
| 17544 | Nandrolone Decanoate EP Impurity E        | VS-N006005 | N/A          |
| 17545 | Nandrolone Decanoate EP Impurity F        | VS-N006006 | N/A          |
| 17546 | Nandrolone Decanoate EP Impurity G        | VS-N006007 | N/A          |
| 17547 | Nandrolone Decanoate EP Impurity H        | VS-N006008 | 862-89-5     |



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| 17548 | Nandrolone Decanoate EP Impurity I                        | VS-N006009 | 26490-31-3  |
| 17549 | Nandrolone Decanoate EP Impurity J                        | VS-N006010 | N/A         |
| 17550 | Nandrolone Decanoate EP Impurity K                        | VS-N006011 | 52230-63-4  |
| 17551 | Nandrolone Decanoate EP Impurity L                        | VS-N006012 | 52230-64-5  |
| 17552 | Dehydronandrolon                                          | VS-N006013 | 2590-41-2   |
| 17553 | Naphazoline                                               | VS-N007000 | 550-99-2    |
| 17554 | Naphazoline EP Impurity A                                 | VS-N007001 | 36321-43-4  |
| 17555 | Naphazoline EP Impurity B                                 | VS-N007002 | 86-87-3     |
| 17556 | Naphazoline EP Impurity C                                 | VS-N007003 | 132-75-2    |
| 17557 | Naphazoline EP Impurity D                                 | VS-N007004 | 22126-67-6  |
| 17558 | Naphazoline Impurity 1                                    | VS-N007005 | 161983-06-8 |
| 17559 | Naphazoline Impurity 2                                    | VS-N007006 | 17518-47-7  |
| 17560 | Naproxen                                                  | VS-N008000 | 22204-53-1  |
| 17561 | Naproxen Sodium                                           | VS-N008001 | 26159-34-2  |
| 17562 | Naproxen EP Impurity A                                    | VS-N008002 | 52079-10-4  |
| 17563 | Naproxen EP Impurity B                                    | VS-N008003 | 89617-86-7  |
| 17564 | Naproxen EP Impurity C                                    | VS-N008004 | 84236-26-0  |
| 17565 | Naproxen EP Impurity D                                    | VS-N008005 | 116883-62-6 |
| 17566 | Naproxen Impurity D (NA SALT)                             | VS-N008006 | N/A         |
| 17567 | Naproxen EP Impurity E                                    | VS-N008007 | 26159-35-3  |
| 17568 | Naproxen EP Impurity F                                    | VS-N008008 | 31220-35-6  |
| 17569 | Naproxen EP Impurity L                                    | VS-N008009 | 3900-45-6   |
| 17570 | Naproxen EP Impurity J                                    | VS-N008010 | 21388-17-0  |
| 17571 | Naproxen EP Impurity O                                    | VS-N008011 | 2471-70-7   |
| 17572 | Naproxen EP Impurity K                                    | VS-N008012 | 77301-42-9  |
| 17573 | Naproxen EP Impurity M                                    | VS-N008013 | 93-04-9     |
| 17574 | Naproxen EP Impurity N                                    | VS-N008014 | 5111-65-9   |
| 17575 | Naproxen EP Impurity I                                    | VS-N008015 | 23981-47-7  |
| 17576 | Naproxen EP Impurity H                                    | VS-N008016 | 5111-66-0   |
| 17577 | Naproxen USP RC G                                         | VS-N008017 | 23979-41-1  |
| 17578 | Naproxen Racemate                                         | VS-N008018 | 23981-80-8  |
| 17579 | Naproxen Nitrile Impurity                                 | VS-N008019 | 67886-70-8  |
| 17580 | Naproxen Dehydro Impurity                                 | VS-N008020 | 27602-79-5  |
| 17581 | Alpha-Hydroxy Naproxen                                    | VS-N008021 | 32721-11-2  |
| 17582 | Sec-Butyl Chloroacetate                                   | VS-N008022 | 17696-64-9  |
| 17583 | 5-Bromo Naproxen                                          | VS-N008023 | 27655-95-4  |
| 17584 | 6-Desmethyl Naproxen                                      | VS-N008024 | 60756-73-2  |
| 17585 | Naproxen Dimer                                            | VS-N008025 | N/A         |
| 17586 | Naproxen Polyethylene Glycol Ester Impurity               | VS-N008026 | N/A         |
| 17587 | Naproxen Lactic acid Ester                                | VS-N008027 | 140225-89-4 |
| 17588 | Naproxen Glycerol Ester Impurity                          | VS-N008028 | 38835-17-5  |
| 17589 | Naproxen 1,2-Propylene Glycol Esters (Mixture of Isomers) | VS-N008029 | N/A         |
| 17590 | 1-Acetyl-2-methoxynaphthalene                             | VS-N008030 | 5672-94-6   |
| 17591 | Naproxen Impurity 1                                       | VS-N008031 | 10441-46-0  |
| 17592 | Naproxen Impurity 2                                       | VS-N008032 | 27602-75-1  |
| 17593 | Naproxen Impurity 3                                       | VS-N008033 | 3453-55-2   |
| 17594 | Naproxen Impurity 4                                       | VS-N008034 | 17056-94-9  |

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| 17595 | Naproxen Impurity 5                                                             | VS-N008035 | 358369-77-4  |
| 17596 | Naproxen Impurity 6                                                             | VS-N008036 | N/A          |
| 17597 | Naproxen Impurity 7                                                             | VS-N008037 | 27602-76-2   |
| 17598 | Naproxen Impurity 8                                                             | VS-N008038 | 68641-85-0   |
| 17599 | Naproxen Related Compound K                                                     | VS-N008039 | 77310-42-9   |
| 17600 | Naproxen Impurity D                                                             | VS-N008040 | N/A          |
| 17601 | Naratriptan                                                                     | VS-N009000 | 121679-13-8  |
| 17602 | Naratriptan HCl                                                                 | VS-N009001 | 143388-64-1  |
| 17603 | Naratriptan (Sulfate salt)                                                      | VS-N009002 | 1189349-38-9 |
| 17604 | Naratriptan (HBr salt)                                                          | VS-N009003 | 1189349-28-7 |
| 17605 | Naratriptan N-oxide                                                             | VS-N009004 | 1159977-52-2 |
| 17606 | Naratriptan Impurity C                                                          | VS-N009005 | 1346604-16-7 |
| 17607 | Naratriptan Related Compound D                                                  | VS-N009006 | N/A          |
| 17608 | Naratriptan Impurity E                                                          | VS-N009007 | 1346746-73-3 |
| 17609 | Naratriptan Impurity E HCl                                                      | VS-N009008 | 1346600-26-7 |
| 17610 | Naratriptan Impurity F                                                          | VS-N009009 | 2144776-33-8 |
| 17611 | Naratriptan Impurity F Iodide                                                   | VS-N009010 | N/A          |
| 17612 | Naratriptan Related Compound G                                                  | VS-N009011 | 2512213-55-5 |
| 17613 | Naratriptan Related Compound H                                                  | VS-N009012 | 2074613-76-4 |
| 17614 | Naratriptan Related Compound-H (HCl)                                            | VS-N009013 | 2074613-77-5 |
| 17615 | Naratriptan Impurity 1                                                          | VS-N009014 | 121679-20-7  |
| 17616 | Naratriptan Impurity 1 Hydrochloride                                            | VS-N009015 | 1123177-87-6 |
| 17617 | Naratriptan Impurity 1 Oxalate salt                                             | VS-N009016 | 121679-21-8  |
| 17618 | Naratriptan Impurity 2                                                          | VS-N009017 | 1638617-36-3 |
| 17619 | Naratriptan Impurity 2 Iodide                                                   | VS-N009018 | N/A          |
| 17620 | Naratriptan Impurity 3                                                          | VS-N009019 | 17403-07-5   |
| 17621 | Naratriptan Impurity 3 (HCl)                                                    | VS-N009020 | 1956385-76-4 |
| 17622 | Naratriptan Impurity 4                                                          | VS-N009021 | N/A          |
| 17623 | Naratriptan Impurity 5                                                          | VS-N009022 | N/A          |
| 17624 | Naratriptan Impurity 6                                                          | VS-N009023 | N/A          |
| 17625 | Naratriptan Impurity 7                                                          | VS-N009024 | N/A          |
| 17626 | 4-Hydrazinyl-N-methylbenzeneethanesulfonamide Hydrochloride                     | VS-N009025 | 42381-27-1   |
| 17627 | Ethyl 2-[2-[4-[2-[(methylamino)sulfonyl]ethyl]phenyl]hydrazinylidene]propanoate | VS-N009026 | 1025797-49-2 |
| 17628 | Ethyl 5-[2-[(methylamino)sulfonyl]ethyl]-1H-indole-2-carboxylate                | VS-N009027 | 1025797-50-5 |
| 17629 | 5-[2-[(methylamino)sulfonyl]ethyl]-1H-indole-2-carboxylic acid                  | VS-N009028 | 1025797-51-6 |
| 17630 | N-Methyl-1H-indole-5-ethanesulfonamide                                          | VS-N009029 | 98623-50-8   |
| 17631 | Naringenin                                                                      | VS-N010000 | 480-41-1     |
| 17632 | Narirutin                                                                       | VS-N011000 | 14259-46-2   |
| 17633 | Nateglinide                                                                     | VS-N012000 | 105816-04-4  |
| 17634 | Nateglinide Impurity 1                                                          | VS-N012001 | N/A          |
| 17635 | Nateglinide EP Impurity A                                                       | VS-N012002 | 06-05-77     |
| 17636 | Nateglinide EP Impurity B                                                       | VS-N012003 | 105816-05-5  |
| 17637 | Nateglinide EP Impurity C                                                       | VS-N012004 | 105816-06-6  |
| 17638 | Nateglinide EP Impurity D                                                       | VS-N012005 | 63-91-2      |
| 17639 | Nateglinide EP Impurity E                                                       | VS-N012006 | N/A          |
| 17640 | Nateglinide EP Impurity F                                                       | VS-N012007 | 944746-48-9  |

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| 17641 | Nateglinide EP Impurity G                      | VS-N012008 | 187728-85-4  |
| 17642 | 4-Desisopropyl-4-ethyl Nateglinide             | VS-N012009 | 105746-45-0  |
| 17643 | Neamine                                        | VS-N013000 | 3947-65-7    |
| 17644 | N1-Acetyl Neamine                              | VS-N013001 | 783246-68-4  |
| 17645 | N1-Acetyl Neamine Tri-TFA Salt                 | VS-N013002 | N/A          |
| 17646 | Nebivolol HCl                                  | VS-N014001 | 152520-56-4  |
| 17647 | Nebivolol EP Impurity A                        | VS-N014002 | N/A          |
| 17648 | Nebivolol Related Compound A                   | VS-N014003 | N/A          |
| 17649 | Nebivolol Impurity A (SRSS)                    | VS-N014004 | 118457-16-2  |
| 17650 | Nebivolol Related Compound B                   | VS-N014005 | N/A          |
| 17651 | Nebivolol EP Impurity B                        | VS-N014006 | 99200-09-6   |
| 17652 | Nebivolol Impurity B (SS,RS) Hydrochloride     | VS-N014007 | 920299-27-0  |
| 17653 | Nebivolol EP Impurity C                        | VS-N014008 | 929706-85-4  |
| 17654 | (2S*,2'R*)-Nebivolol Impurity C                | VS-N014009 | 197706-51-7  |
| 17655 | Nebivolol Impurity 52                          | VS-N014010 | 876514-31-7  |
| 17656 | Nebivolol Impurity C                           | VS-N014011 | 99199-90-3   |
| 17657 | Nebivolol EP Impurity D                        | VS-N014012 | N/A          |
| 17658 | Desfluoro Nebivolol Hydrochloride              | VS-N014013 | N/A          |
| 17659 | Nebivolol O-Beta-D-Glucuronide                 | VS-N014014 | N/A          |
| 17660 | 4-Hydroxy Nebivolol                            | VS-N014015 | 178383-76-1  |
| 17661 | Didefluoro Nebivolol                           | VS-N014016 | 129101-33-3  |
| 17662 | Nebivolol                                      | VS-N014017 | 118457-14-0  |
| 17663 | N-Benzyl (-)-Nebivolol (SSRS)                  | VS-N014018 | 1199945-26-0 |
| 17664 | Nebivolol Des-Fluoro Impurity                  | VS-N014019 | 99199-99-2   |
| 17665 | Nebivolol Stage-V Isomer- A Chloride Impurity  | VS-N014020 | N/A          |
| 17666 | Nebivolol Stage-V Isomer- B Chloride Impurity  | VS-N014021 | N/A          |
| 17667 | Nebivolol Lactose Adduct                       | VS-N014022 | N/A          |
| 17668 | N-Formyl Nebivolol                             | VS-N014023 | N/A          |
| 17669 | Nebivolol Isomer (RSSS+SRRS)                   | VS-N014024 | N/A          |
| 17670 | Desfluoro Nebivolol (Mixture of Diastereomers) | VS-N014025 | N/A          |
| 17671 | Nebivolol Isomer (RSSR+SRRS)                   | VS-N014026 | N/A          |
| 17672 | D-Nebivolol Hydrochloride                      | VS-N014027 | 213132-06-0  |
| 17673 | L-Nebivolol Hydrochloride                      | VS-N014028 | 920299-33-8  |
| 17674 | Nebivolol Impurity 1                           | VS-N014029 | 1346562-34-2 |
| 17675 | Nebivolol Impurity 2                           | VS-N014030 | N/A          |
| 17676 | Nebivolol RRSS Isomer                          | VS-N014031 | 1360598-84-0 |
| 17677 | Nebivolol Impurity 3 (RR,SS) (HCl)             | VS-N014032 | N/A          |
| 17678 | Nebivolol Impurity 5 (RR,SR)                   | VS-N014033 | 119365-26-3  |
| 17679 | Nebivolol Impurity I Hydrochloride (RR,SR)     | VS-N014034 | 920275-20-3  |
| 17680 | Nebivolol Impurity 7                           | VS-N014035 | 1029684-20-5 |
| 17681 | Nebivolol Impurity 8                           | VS-N014036 | 129050-29-9  |
| 17682 | Nebivolol Impurity 9                           | VS-N014037 | 99199-91-4   |
| 17683 | Nebivolol Impurity 10 (SS)                     | VS-N014038 | N/A          |
| 17684 | Nebivolol Impurity 11                          | VS-N014039 | 920275-19-0  |
| 17685 | Nebivolol Impurity 12                          | VS-N014040 | 119365-29-6  |
| 17686 | Nebivolol Impurity 13                          | VS-N014041 | N/A          |
| 17687 | Nebivolol Impurity 14 (RR)                     | VS-N014042 | N/A          |

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| 17688 | Nebivolol Impurity 15 (RS)          | VS-N014043 | N/A          |
| 17689 | Nebivolol Impurity 16 (SR)          | VS-N014044 | 1447800-92-1 |
| 17690 | Nebivolol Impurity 17 (SS,RR)       | VS-N014045 | 119365-30-9  |
| 17691 | Nebivolol Impurity 18 (SR,SR)       | VS-N014046 | N/A          |
| 17692 | Nebivolol Impurity 20 (SS,SS)       | VS-N014047 | 119365-28-5  |
| 17693 | Nebivolol Impurity 20 (SS,SS) (HCl) | VS-N014048 | 920275-27-0  |
| 17694 | Nebivolol SRRR Isomer               | VS-N014049 | 118457-15-1  |
| 17695 | Nebivolol Impurity 27               | VS-N014050 | 129050-23-3  |
| 17696 | Nebivolol Impurity 29               | VS-N014051 | 197706-50-6  |
| 17697 | Nebivolol Impurity 30               | VS-N014052 | 129050-26-6  |
| 17698 | Nebivolol Impurity 31(RRSS)         | VS-N014053 | 119365-23-0  |
| 17699 | Nebivolol Impurity 32(SRRS)         | VS-N014054 | 119365-24-1  |
| 17700 | Nebivolol Impurity 33               | VS-N014055 | 943126-72-5  |
| 17701 | Nebivolol Impurity 34 (RSRR+RRRR)   | VS-N014056 | N/A          |
| 17702 | Nebivolol Impurity 35               | VS-N014057 | N/A          |
| 17703 | Nebivolol Impurity 36               | VS-N014058 | 1696472-15-7 |
| 17704 | Nebivolol Impurity 37 (RRRS)        | VS-N014059 | 1030385-17-1 |
| 17705 | Nebivolol Impurity 38 (SR)          | VS-N014060 | 905454-52-6  |
| 17706 | Nebivolol Impurity 39 (RR)          | VS-N014061 | 303176-46-7  |
| 17707 | Nebivolol Impurity 40 (SRSS)        | VS-N014062 | 129101-35-5  |
| 17708 | Nebivolol RSRR Isomer               | VS-N014063 | 1696472-14-6 |
| 17709 | Nebivolol Impurity 42 (RS)          | VS-N014064 | 303176-40-1  |
| 17710 | Nebivolol Impurity 43 (SS)          | VS-N014065 | 905454-58-2  |
| 17711 | Nebivolol Impurity 44 (SSSR + RSSS) | VS-N014066 | N/A          |
| 17712 | Nebivolol Impurity 45 (RRSR + RSRR) | VS-N014067 | N/A          |
| 17713 | Nebivolol Impurity 46 (RSRS + SRSR) | VS-N014068 | N/A          |
| 17714 | Nebivolol Impurity 47 (SSRS + SRSS) | VS-N014069 | N/A          |
| 17715 | Nebivolol Impurity 48 (RRSS + SSRR) | VS-N014070 | N/A          |
| 17716 | Nebivolol Impurity 49 (RRRS + SSSR) | VS-N014071 | N/A          |
| 17717 | Nebivolol Impurity 50               | VS-N014072 | 1345202-52-9 |
| 17718 | Defluoro Nebivolol                  | VS-N014073 | 129101-34-4  |
| 17719 | N-Nitroso-Nebivolol                 | VS-N014074 | 1391051-68-5 |
| 17720 | Nebivolol RRRR Isomer               | VS-N014075 | N/A          |
| 17721 | Nebivolol SSSS ISOMER               | VS-N014076 | N/A          |
| 17722 | Nebivolol Des Fluoro FAM Nebivolol  | VS-N014077 | N/A          |
| 17723 | Nebivolol-D6-N-Nitroso              | VS-N014078 | N/A          |
| 17724 | Nebivolol Impurity 51               | VS-N014079 | 793669-26-8  |
| 17725 | Dibenzylamine Nitrosamine impurity  | VS-N014080 | 5336-53-8    |
| 17726 | Nebivolol A-Isomer                  | VS-N014081 | N/A          |
| 17727 | Nebivolol B-Isomer                  | VS-N014082 | N/A          |
| 17728 | Nebivolol Impurity B                | VS-N014083 | 119365-25-2  |
| 17729 | N-Nitroso Nebivolol D4              | VS-N014084 | NA           |
| 17730 | Nebamine                            | VS-N015000 | 34051-04-2   |
| 17731 | Nebrosamine Dihydrochloride         | VS-N015001 | 111170-72-0  |
| 17732 | Nedocromil                          | VS-N016000 | 69049-73-6   |
| 17733 | Nedocromil Impurity 1               | VS-N016001 | 79324-48-4   |
| 17734 | Nedocromil Impurity 2               | VS-N016002 | 77941-09-4   |

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| 17735 | Nedocromil Impurity 3          | VS-N016003 | N/A          |
| 17736 | Nedocromil Impurity 4          | VS-N016004 | N/A          |
| 17737 | Nefopam                        | VS-N017000 | 13669-70-0   |
| 17738 | Nefopam Impurity A             | VS-N017001 | 60725-36-2   |
| 17739 | Nefopam Deoxy Impurity         | VS-N017002 | 13831-42-0   |
| 17740 | Nefopam Keto Amine Impurity    | VS-N017003 | N/A          |
| 17741 | Nefopam N-Oxide                | VS-N017004 | 66091-32-5   |
| 17742 | Nelarabine                     | VS-N018000 | 121032-29-9  |
| 17743 | Nelarabine Stage-I Impurity    | VS-N018001 | 1173825-84-7 |
| 17744 | Nelarabine Alpha Isomer        | VS-N018002 | N/A          |
| 17745 | Nelarabine Regio Isomer        | VS-N018003 | 1233127-29-1 |
| 17746 | 6-O-Methylguanine              | VS-N018004 | 20535-83-5   |
| 17747 | Nelarabine Diamine Impurity    | VS-N018005 | 19768-89-9   |
| 17748 | Nelarabine Impurity 1          | VS-N018006 | N/A          |
| 17749 | Nelarabine Impurity 2          | VS-N018007 | 7013-16-3    |
| 17750 | Nelarabine Impurity 3          | VS-N018008 | N/A          |
| 17751 | Nelarabine Impurity 4          | VS-N018009 | 88508-71-8   |
| 17752 | Nelarabine Impurity 5          | VS-N018010 | 266360-66-1  |
| 17753 | Nelarabine Impurity 6          | VS-N018011 | N/A          |
| 17754 | Nelarabine Impurity 7          | VS-N018012 | N/A          |
| 17755 | Nelarabine Impurity 8          | VS-N018013 | 1305196-84-2 |
| 17756 | Nelarabine Impurity 9          | VS-N018014 | N/A          |
| 17757 | Nelarabine Impurity 10         | VS-N018015 | 34079-68-0   |
| 17758 | Nelarabine Impurity 11         | VS-N018016 | 120595-74-6  |
| 17759 | Nelarabine Impurity 12         | VS-N018017 | 7803-88-5    |
| 17760 | Nelarabine Impurity 13         | VS-N018018 | 852553-98-1  |
| 17761 | Nelarabine Impurity 14         | VS-N018019 | N/A          |
| 17762 | Nelarabine Impurity 15         | VS-N018020 | N/A          |
| 17763 | Nelarabine Impurity 16         | VS-N018021 | N/A          |
| 17764 | Nelarabine Impurity 17         | VS-N018022 | N/A          |
| 17765 | Neomycin Sulfate               | VS-N019000 | 1405-10-3    |
| 17766 | Neomycin Sulfate EP Impurity A | VS-N019001 | 3947-65-7    |
| 17767 | Neomycin Sulfate EP Impurity B | VS-N019002 | N/A          |
| 17768 | Neomycin Sulfate EP Impurity C | VS-N019003 | 66-86-4      |
| 17769 | Neomycin Sulfate EP Impurity D | VS-N019004 | 534-47-4     |
| 17770 | Neomycin Sulfate EP Impurity E | VS-N019005 | 1263-89-4    |
| 17771 | Neomycin Sulfate EP Impurity F | VS-N019006 | 51795-47-2   |
| 17772 | Neomycin Sulfate EP Impurity G | VS-N019007 | N/A          |
| 17773 | Neomycin B Sulphate            | VS-N019008 | 28002-70-2   |
| 17774 | Neomycin Impurity 1            | VS-N019009 | N/A          |
| 17775 | Neomycin Impurity 2            | VS-N019010 | N/A          |
| 17776 | Neomycin Impurity 3            | VS-N019011 | N/A          |
| 17777 | Neomycin Impurity 4            | VS-N019012 | N/A          |
| 17778 | Neomycin                       | VS-N019013 | 119-04-0     |
| 17779 | Neostigmine                    | VS-N020000 | 59-99-4      |
| 17780 | Neostigmine EP Impurity A      | VS-N020001 | 2498-27-3    |
| 17781 | Neostigmine EP Impurity B      | VS-N020002 | 99-07-0      |

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| 17782 | Neostigmine EP Impurity C            | VS-N020003 | 16088-19-0   |
| 17783 | N-methylated Dimer 1                 | VS-N020004 | N/A          |
| 17784 | Neostigmine Dimer 2                  | VS-N020005 | N/A          |
| 17785 | Neostigmine Methyl Sulfate           | VS-N020006 | 51-60-5      |
| 17786 | Neostigmine Monomethyl Impurity      | VS-N020007 | 14703-69-6   |
| 17787 | Neostigmine Dicarbamate Impurity     | VS-N020008 | 4939-59-7    |
| 17788 | Neostigmine Impurity 1               | VS-N020009 | 2434689-89-9 |
| 17789 | Neostigmine Impurity 2               | VS-N020010 | 39218-17-2   |
| 17790 | Neostigmine Impurity 3               | VS-N020011 | N/A          |
| 17791 | Neostigmine Impurity 4               | VS-N020012 | 4312-54-3    |
| 17792 | Nepafenac                            | VS-N021000 | 78281-72-8   |
| 17793 | Nepafenac Impurity A                 | VS-N021001 | 2835-77-0    |
| 17794 | Nepafenac Impurity B                 | VS-N021002 | 78281-61-5   |
| 17795 | Nepafenac Impurity C                 | VS-N021003 | N/A          |
| 17796 | Nepafenac Impurity D                 | VS-N021004 | 51135-38-7   |
| 17797 | Nepafenac Impurity E                 | VS-N021005 | 1246956-18-2 |
| 17798 | Nepafenac Impurity 1                 | VS-N021006 | N/A          |
| 17799 | Nepafenac Impurity 2                 | VS-N021007 | 61618-27-7   |
| 17800 | Nepafenac Impurity 3                 | VS-N021008 | N/A          |
| 17801 | Nepafenac Impurity 4                 | VS-N021009 | 91714-75-9   |
| 17802 | Nepafenac Impurity 5                 | VS-N021010 | 78281-71-7   |
| 17803 | Neratinib                            | VS-N022000 | 698387-09-6  |
| 17804 | Netarsudil                           | VS-N023000 | 1254032-66-0 |
| 17805 | Netarsudil R-Isomer                  | VS-N023001 | N/A          |
| 17806 | QuinolinyI Phthalimide Impurity      | VS-N023002 | N/A          |
| 17807 | Isoquinoline Impurity                | VS-N023003 | 23687-26-5   |
| 17808 | 2,4-Dimethylbenzoic Acid             | VS-N023004 | 611-01-8     |
| 17809 | Amino Acid Impurity                  | VS-N023005 | N/A          |
| 17810 | Boc Aminoisoquinoline Impurity       | VS-N023006 | 1253955-19-9 |
| 17811 | Nevirapine                           | VS-N024000 | 129618-40-2  |
| 17812 | Nevirapine EP Impurity A             | VS-N024001 | 133627-17-5  |
| 17813 | Nevirapine EP Impurity B             | VS-N024002 | 287980-84-1  |
| 17814 | Nevirapine EP Impurity C             | VS-N024003 | 287980-85-2  |
| 17815 | Nevirapine Impurity D                | VS-N024004 | 1391054-30-0 |
| 17816 | Nevirapine Butenyl Analogue Impurity | VS-N024005 | 284686-27-7  |
| 17817 | Nevirapine Impurity 1                | VS-N024006 | 133627-47-1  |
| 17818 | nevirapine carboxamide               | VS-N024007 | NA           |
| 17819 | 6-Methylnicotinic Acid               | VS-N025001 | 3222-47-7    |
| 17820 | 6,6'-Dinicotinic acid                | VS-N025002 | 1802-30-8    |
| 17821 | Nicotinamide                         | VS-N025003 | 98-92-0      |
| 17822 | 3-Nitropyridine                      | VS-N025004 | 2530-26-9    |
| 17823 | 6-Hydroxynicotinic acid              | VS-N025005 | 5006-66-6    |
| 17824 | 3-Ethylpyridine                      | VS-N025006 | 536-78-7     |
| 17825 | 5-Ethyl-2-methylpyridine             | VS-N025007 | 104-90-5     |
| 17826 | 3-Cyanopyridine                      | VS-N025008 | 100-54-9     |
| 17827 | Isonicotinic acid                    | VS-N025009 | 55-22-1      |
| 17828 | Isocinchomeronic acid                | VS-N025010 | 100-26-5     |

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| 17829 | 3,5-Dinitropyridine                       | VS-N025011 | 940-06-7     |
| 17830 | NSN-Dimer                                 | VS-N025012 | 7521-27-9    |
| 17831 | 4-Cyanopyridine                           | VS-N025013 | 100-48-1     |
| 17832 | Nicardipine                               | VS-N026000 | 55985-32-5   |
| 17833 | Nicardipine USP RC A                      | VS-N026001 | 74936-72-4   |
| 17834 | Nicardipine EP Impurity A                 | VS-N026002 | 1216817-27-4 |
| 17835 | Nicardipine Impurity A                    | VS-N026003 | 87625-92-1   |
| 17836 | Nicardipine USP RC C                      | VS-N026004 | 21881-77-6   |
| 17837 | Nicardipine USP RC D                      | VS-N026005 | 499-81-0     |
| 17838 | 2-(3-Pyridyl)-2-oxazoline                 | VS-N026006 | 40055-37-6   |
| 17839 | Nicardipine Bis analog                    | VS-N026007 | 71784-27-5   |
| 17840 | Nicardipine Pyridine Monoacid Impurity    | VS-N026008 | 64603-72-1   |
| 17841 | Nicardipine Diacetyl Derivative           | VS-N026009 | N/A          |
| 17842 | Nicardipine N-Desbenzyl Impurity          | VS-N026010 | 58368-87-9   |
| 17843 | Nicardipine Related Compound 4            | VS-N026011 | 123973-71-7  |
| 17844 | Nicardipine Impurity                      | VS-N026012 | 76258-20-3   |
| 17845 | Nicardipine Impurity 1                    | VS-N026013 | 10323-98-5   |
| 17846 | Nicardipine Impurity 2                    | VS-N026014 | 2469735-68-8 |
| 17847 | Nicardipine Impurity 3                    | VS-N026015 | 69441-29-8   |
| 17848 | Nicardipine Impurity 4                    | VS-N026016 | 206976-29-6  |
| 17849 | Nicardipine Impurity 5                    | VS-N026017 | N/A          |
| 17850 | Nicardipine Impurity 6                    | VS-N026018 | N/A          |
| 17851 | Nicardipine Impurity 7                    | VS-N026019 | 101-98-4     |
| 17852 | Nicardipine Hydrochloride Impurity A      | VS-N026020 | 59875-58-0   |
| 17853 | Nicardipine Hydrochloride                 | VS-N026021 | 54527-84-3   |
| 17854 | Nicardipine N-Oxide                       | VS-N026022 | 2724510-66-9 |
| 17855 | Nicardipine Nitroso Impurity              | VS-N026023 | N/A          |
| 17856 | Nicardipine Hydrochloride Impurity B      | VS-N026024 | 71791-90-7   |
| 17857 | N-Nitroso-N-Desmethyl Nicardipine         | VS-N026025 | NA           |
| 17858 | N-Nitroso N-Desbenzyl Nicardipine         | VS-N026026 | NA           |
| 17859 | Nicergoline                               | VS-N027000 | 27848-84-6   |
| 17860 | Nicergoline EP Impurity A                 | VS-N027001 | 38536-28-6   |
| 17861 | Nicergoline EP Impurity B                 | VS-N027002 | 35264-46-1   |
| 17862 | Nicergoline EP Impurity C                 | VS-N027003 | 35155-28-3   |
| 17863 | Nicergoline EP Impurity D                 | VS-N027004 | 50720-12-2   |
| 17864 | Nicergoline EP Impurity E                 | VS-N027005 | 57935-66-7   |
| 17865 | Nicergoline EP Impurity F                 | VS-N027006 | 58001-19-7   |
| 17866 | Nicergoline EP Impurity G                 | VS-N027007 | 57935-65-6   |
| 17867 | Nicergoline EP Impurity H                 | VS-N027008 | 192504-81-7  |
| 17868 | Nicergoline EP Impurity I                 | VS-N027009 | N/A          |
| 17869 | Nicergoline EP Impurity J                 | VS-N027010 | N/A          |
| 17870 | 5-Bromopyridine-3-carboxylic Acid         | VS-N027011 | 20826-04-4   |
| 17871 | N-Nitroso Nicergoline Impurity 1          | VS-N027012 | N/A          |
| 17872 | N-Nitroso Nicergoline Impurity 2          | VS-N027013 | N/A          |
| 17873 | Nicergoline N-Oxide Impurity              | VS-N027014 | 2061916-37-6 |
| 17874 | 10 $\alpha$ -Hydroxy Nicergoline Impurity | VS-N027015 | N/A          |
| 17875 | N-Desmethyl Nicergoline Impurity          | VS-N027016 | N/A          |

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| 17876 | Niclosamide                                   | VS-N028000 | 50-65-7      |
| 17877 | Niclosamide Impurity 1                        | VS-N028001 | 321-14-2     |
| 17878 | Niclosamide Impurity 2                        | VS-N028002 | 121-87-9     |
| 17879 | Niclosamide Impurity 3                        | VS-N028003 | 32853-24-0   |
| 17880 | Niclosamide Impurity 4                        | VS-N028004 | 16739-21-2   |
| 17881 | Niclosamide Impurity 5                        | VS-N028005 | 16739-20-1   |
| 17882 | Nicorandil                                    | VS-N029000 | 65141-46-0   |
| 17883 | Nicorandil EP Impurity A                      | VS-N029001 | 65141-47-1   |
| 17884 | Nicorandil EP Impurity B                      | VS-N029002 | 6265-73-2    |
| 17885 | Nicorandil EP Impurity C                      | VS-N029003 | 88598-33-8   |
| 17886 | Nicorandil EP Impurity D                      | VS-N029004 | 40055-37-6   |
| 17887 | Nicorandil N-Oxide                            | VS-N029005 | 107833-98-7  |
| 17888 | Nicorandil 6-Hydroxy Impurity                 | VS-N029006 | 113743-17-2  |
| 17889 | Nicorandil Dimer Iodide                       | VS-N029007 | 2250142-71-1 |
| 17890 | Nicorandil Trimer                             | VS-N029008 | 2365474-05-9 |
| 17891 | Nicorandil Tetramer                           | VS-N029009 | N/A          |
| 17892 | Nicorandil Impurity 4 Dinitrate               | VS-N029010 | N/A          |
| 17893 | Nicorandil Impurity 5                         | VS-N029011 | 896133-95-2  |
| 17894 | Nicorandil EP Impurity C                      | VS-N029012 | 46053-56-9   |
| 17895 | Nicotinamide                                  | VS-N030000 | 98-92-0      |
| 17896 | Nicotinamide EP Impurity A                    | VS-N030001 | 59-67-6      |
| 17897 | Nicotinamide EP Impurity B                    | VS-N030002 | 100-54-9     |
| 17898 | Nicotinamide EP Impurity C                    | VS-N030003 | 1452-77-3    |
| 17899 | Nicotinamide EP Impurity D                    | VS-N030004 | 1453-82-3    |
| 17900 | Nicotinamide EP Impurity E                    | VS-N030005 | 1986-81-8    |
| 17901 | B-Nicotinamide Adenine Dinucleotide Phosphate | VS-N030006 | 53-59-8      |
| 17902 | Nicotine                                      | VS-N031000 | 54-11-5      |
| 17903 | Methyl Nicotinate                             | VS-N031001 | 93-60-7      |
| 17904 | Isonicotinamide                               | VS-N031002 | 1453-82-3    |
| 17905 | Nicotinic Acid                                | VS-N031003 | 59-67-6      |
| 17906 | Nicotine USP Related Compound A               | VS-N031004 | 2743-90-0    |
| 17907 | Nicotine EP Impurity A                        | VS-N031005 | 581-49-7     |
| 17908 | Nicotine EP Impurity B                        | VS-N031006 | 487-19-4     |
| 17909 | Nicotine EP Impurity C                        | VS-N031007 | 486-56-6     |
| 17910 | Nicotine EP Impurity D                        | VS-N031008 | 532-12-7     |
| 17911 | Nicotine EP Impurity E                        | VS-N031009 | 491-26-9     |
| 17912 | Nicotine Impurity E                           | VS-N031010 | 51095-86-4   |
| 17913 | Nicotine USP Related Compound F               | VS-N031011 | 5746-86-1    |
| 17914 | Nicotine EP Impurity F                        | VS-N031012 | 494-97-3     |
| 17915 | Nicotine EP Impurity G                        | VS-N031013 | 494-52-0     |
| 17916 | Nicotinamide metabolite                       | VS-N031014 | 1851657-71-0 |
| 17917 | Benzyl Nicotinate                             | VS-N031015 | 94-44-0      |
| 17918 | (1'R,2'S)-Nicotine 1'-Oxide                   | VS-N031016 | 51020-67-8   |
| 17919 | N'-Nitrosonornicotine-1-N-Oxide               | VS-N031017 | 75195-76-5   |
| 17920 | Ethyl Nicotinate HCl                          | VS-N031018 | 65550-28-9   |
| 17921 | Nicotinamide-N-oxide                          | VS-N031019 | N/A          |
| 17922 | Nicotine N-Glucuronide                        | VS-N031020 | 153536-53-9  |



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|-------|---------------------------------------------------|------------|--------------|
| 17923 | Nicotinic acid-acyl- $\beta$ -D-glucuronide       | VS-N031021 | 24719-73-1   |
| 17924 | Nicotinuric Acid                                  | VS-N031022 | 583-08-4     |
| 17925 | Anabasine Dihydrochloride                         | VS-N031023 | 143924-48-5  |
| 17926 | Nedifloramide (N-Methyl-2-Pyridone-5-Carboxamide) | VS-N031024 | 701-44-0     |
| 17927 | N-Methyl-2-Pyridone 5-Carboxylic Acid             | VS-N031025 | 3719-45-7    |
| 17928 | N-Methyl Nicotinamide                             | VS-N031026 | 114-33-0     |
| 17929 | Nicotine Impurity 1                               | VS-N031027 | 769-49-3     |
| 17930 | Nicotine Impurity 2                               | VS-N031028 | N/A          |
| 17931 | Nicotine Impurity 3                               | VS-N031029 | 6419-36-9    |
| 17932 | Nicotine Impurity 4                               | VS-N031030 | 591-22-0     |
| 17933 | Nicotine Impurity 5                               | VS-N031031 | 87330-70-9   |
| 17934 | Nifedipine                                        | VS-N032000 | 21829-25-4   |
| 17935 | Nifedipine Phenylpyridine Analog                  | VS-N032001 | 77234-00-5   |
| 17936 | Nifedipine Monoamide                              | VS-N032002 | 114709-68-1  |
| 17937 | Nifedipine Pyrimidine Impurity                    | VS-N032003 | 80742-11-6   |
| 17938 | Nifedipine EP Impurity A                          | VS-N032004 | 67035-22-7   |
| 17939 | Nifedipine EP Impurity B                          | VS-N032005 | 50428-14-3   |
| 17940 | Nifedipine EP Impurity C                          | VS-N032006 | 39562-27-1   |
| 17941 | Nifedipine EP Impurity D                          | VS-N032007 | 14205-39-1   |
| 17942 | Nifedipine Impurity 1                             | VS-N032008 | 53055-15-5   |
| 17943 | Nifedipine Impurity 2                             | VS-N032009 | 39562-82-8   |
| 17944 | Nifedipine Impurity 3                             | VS-N032010 | 113578-26-0  |
| 17945 | Nifedipine Impurity 4                             | VS-N032011 | 160233-03-4  |
| 17946 | Nifedipine Impurity 5                             | VS-N032012 | 1332581-15-3 |
| 17947 | Nifedipine Impurity 6                             | VS-N032013 | N/A          |
| 17948 | Nifedipine Nitroso Impurity                       | VS-N032014 | N/A          |
| 17949 | N-Nitroso piperidine Impurity                     | VS-N032015 | 100-75-4     |
| 17950 | Nifedipine Impurity 7                             | VS-N032016 | 674-82-8     |
| 17951 | Nifuratel                                         | VS-N033000 | 4936-47-4    |
| 17952 | Nifuratel Impurity A                              | VS-N033001 | 92-55-7      |
| 17953 | Nifuratel Impurity B                              | VS-N033002 | 736-53-8     |
| 17954 | Nifuratel Impurity 1                              | VS-N033003 | N/A          |
| 17955 | Nifuratel Impurity 2                              | VS-N033004 | 1445990-09-9 |
| 17956 | Nifuratel Impurity 3                              | VS-N033005 | 34143-33-4   |
| 17957 | Nifuratel Impurity 4                              | VS-N033006 | 41359-15-3   |
| 17958 | Nifuratel Impurity 5                              | VS-N033007 | N/A          |
| 17959 | Nifuratel Impurity 6                              | VS-N033008 | 25517-72-0   |
| 17960 | Nifuratel Impurity 7                              | VS-N033009 | N/A          |
| 17961 | Nifuratel Impurity 8                              | VS-N033010 | 698-63-5     |
| 17962 | Nifuratel Impurity 9                              | VS-N033011 | 645-12-5     |
| 17963 | Nifuratel Impurity 10                             | VS-N033012 | 22551-26-4   |
| 17964 | Nifuratel Impurity 11                             | VS-N033013 | 3455-50-3    |
| 17965 | Nifuratel Impurity 13                             | VS-N033014 | 5904-70-1    |
| 17966 | Nifuratel Impurity 14                             | VS-N033015 | 45378-62-9   |
| 17967 | Nifuratel Impurity 12                             | VS-N033016 | 4936-47-4    |
| 17968 | Nifuroxazide                                      | VS-N034000 | 965-52-6     |
| 17969 | Nifuroxazide EP Impurity A                        | VS-N034001 | 5351-23-5    |

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| 17970 | Nifuroxazide EP Impurity D     | VS-N034002 | 112537-96-9  |
| 17971 | Nifuroxazide EP Impurity E     | VS-N034003 | N/A          |
| 17972 | Nifuroxazide EP Impurity B     | VS-N034004 | 99-76-3      |
| 17973 | Nilotinib                      | VS-N035000 | 641571-10-0  |
| 17974 | Nilotinib EP Impurity A        | VS-N035001 | 641571-11-1  |
| 17975 | Nilotinib Impurity A           | VS-N035002 | N/A          |
| 17976 | Nilotinib EP Impurity B        | VS-N035003 | 18595-18-1   |
| 17977 | Nilotinib EP Impurity C        | VS-N035004 | 2458-12-0    |
| 17978 | Nilotinib EP Impurity D        | VS-N035005 | 641569-94-0  |
| 17979 | Nilotinib Impurity D           | VS-N035006 | N/A          |
| 17980 | Nilotinib EP Impurity E        | VS-N035007 | 2119583-26-3 |
| 17981 | Nilotinib Impurity E           | VS-N035008 | N/A          |
| 17982 | Nilotinib EP Impurity F        | VS-N035009 | 2119583-24-1 |
| 17983 | Nilotinib EP Impurity G        | VS-N035010 | 917392-54-2  |
| 17984 | Nilotinib EP Impurity H        | VS-N035011 | 641571-15-5  |
| 17985 | Nilotinib Iodo Impurity        | VS-N035012 | 926922-18-1  |
| 17986 | Nilotinib 2-Pyridinyl Impurity | VS-N035013 | 66521-65-1   |
| 17987 | Nilotinib 3-Pyridinyl Impurity | VS-N035014 | 66521-66-2   |
| 17988 | Nilotinib Bromo Impurity       | VS-N035015 | 54962-75-3   |
| 17989 | Nilotinib N-Oxide              | VS-N035016 | 1246817-85-5 |
| 17990 | Nilotinib Imidazolyl N-oxide   | VS-N035017 | 2139382-75-3 |
| 17991 | Nilotinib Impurity 1           | VS-N035018 | 641571-06-4  |
| 17992 | Nilotinib Impurity 2           | VS-N035019 | 943320-48-7  |
| 17993 | Nilotinib Impurity 3           | VS-N035020 | 2119583-28-5 |
| 17994 | Nilotinib Impurity 4           | VS-N035021 | 641571-16-6  |
| 17995 | Nilotinib Impurity 5           | VS-N035022 | 641571-05-3  |
| 17996 | Nilotinib Impurity 6           | VS-N035023 | 2468737-73-5 |
| 17997 | Nilotinib Impurity 7           | VS-N035024 | 2119583-25-2 |
| 17998 | Nilotinib Impurity 8           | VS-N035025 | 641571-12-2  |
| 17999 | Nilotinib Impurity 9           | VS-N035026 | 917391-28-7  |
| 18000 | Nilotinib Impurity 10          | VS-N035027 | 641571-13-3  |
| 18001 | Nilotinib Impurity 11          | VS-N035028 | 916975-92-3  |
| 18002 | Nilotinib Impurity 12          | VS-N035029 | 123367-26-0  |
| 18003 | Nilotinib Impurity 13          | VS-N035030 | N/A          |
| 18004 | Nilotinib Impurity 14          | VS-N035031 | 851137-91-2  |
| 18005 | Nilotinib Impurity 15          | VS-N035032 | 2468737-74-6 |
| 18006 | Nilotinib Impurity 16          | VS-N035033 | 630125-49-4  |
| 18007 | Nilotinib Impurity 17          | VS-N035034 | 98-46-4      |
| 18008 | Nilotinib Impurity 18          | VS-N035035 | 2469039-94-7 |
| 18009 | Nilotinib Impurity 19          | VS-N035036 | 17071-24-8   |
| 18010 | Nilotinib Impurity 19          | VS-N035037 | 915711-42-1  |
| 18011 | Nilotinib Impurity 20          | VS-N035038 | 1157857-29-8 |
| 18012 | Nilotinib Impurity 21          | VS-N035039 | N/A          |
| 18013 | Nilotinib Impurity 22          | VS-N035040 | N/A          |
| 18014 | Nilotinib Impurity 23          | VS-N035041 | N/A          |
| 18015 | Nilotinib Impurity 24          | VS-N035042 | 1807606-80-9 |
| 18016 | Nilotinib Impurity 25          | VS-N035043 | 1807607-72-2 |

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| 18017 | Nilotinib Impurity 26               | VS-N035044 | 1807608-52-1 |
| 18018 | Nilotinib Impurity 27               | VS-N035045 | 2119583-27-4 |
| 18019 | Nilotinib Impurity 30               | VS-N035046 | 66521-53-7   |
| 18020 | Nimesulide                          | VS-N036000 | 51803-78-2   |
| 18021 | Nimesulide EP Impurity A            | VS-N036001 | 51765-56-1   |
| 18022 | Nimesulide EP Impurity B            | VS-N036002 | 51765-51-6   |
| 18023 | Nimesulide EP Impurity C            | VS-N036003 | 2688-84-8    |
| 18024 | Nimesulide EP Impurity D            | VS-N036004 | 5422-92-4    |
| 18025 | Nimesulide EP Impurity E            | VS-N036005 | 905858-63-1  |
| 18026 | Nimesulide EP Impurity F            | VS-N036006 | 51765-72-1   |
| 18027 | Nimesulide EP Impurity G            | VS-N036007 | 70995-08-3   |
| 18028 | 4-Hydroxy Nimesulide                | VS-N036008 | 109032-22-6  |
| 18029 | 2-Nitrodiphenyl Sulfide             | VS-N036009 | 4171-83-9    |
| 18030 | 1-Nitro-2-phenoxybenzene            | VS-N036010 | 08-12-16     |
| 18031 | Nimodipine                          | VS-N037000 | 66085-59-4   |
| 18032 | Nimodipine EP Impurity A            | VS-N037001 | 85677-93-6   |
| 18033 | Nimodipine EP Impurity B            | VS-N037002 | 21881-78-7   |
| 18034 | Nimodipine EP Impurity C            | VS-N037003 | 70172-96-2   |
| 18035 | Nimodipine Metabolite 1             | VS-N037004 | 85677-99-2   |
| 18036 | Nimodipine Metabolite 2             | VS-N037005 | 663163-06-2  |
| 18037 | Nimodipine Metabolite 3             | VS-N037006 | 82219-48-5   |
| 18038 | Nimodipine Metabolite 4             | VS-N037007 | 82219-47-4   |
| 18039 | N-Nitroso Nimodipine                | VS-N037008 | NA           |
| 18040 | Nintedanib                          | VS-N038000 | 656247-17-5  |
| 18041 | Nintedanib Esylate                  | VS-N038001 | 656247-18-6  |
| 18042 | Nintedanib E-isomer                 | VS-N038002 | 1160294-26-7 |
| 18043 | Nintedanib Impurity A               | VS-N038003 | N/A          |
| 18044 | Nintedanib Impurity B               | VS-N038004 | N/A          |
| 18045 | Nintedanib Impurity C               | VS-N038005 | N/A          |
| 18046 | Nintedanib Impurity D               | VS-N038006 | N/A          |
| 18047 | Nintedanib Impurity E               | VS-N038007 | 1610881-60-1 |
| 18048 | Nintedanib Impurity F               | VS-N038008 | N/A          |
| 18049 | Nintedanib Impurity H               | VS-N038009 | N/A          |
| 18050 | Nintedanib N-Glucuronide-1          | VS-N038010 | N/A          |
| 18051 | Nintedanib N-Glucuronide-2          | VS-N038011 | N/A          |
| 18052 | Nintedanib Acetyl Impurity          | VS-N038012 | 1139458-48-2 |
| 18053 | Nintedanib N-Acetyl Impurity        | VS-N038013 | 2130844-77-6 |
| 18054 | Nintedanib Acetamide Compound       | VS-N038014 | 262368-25-2  |
| 18055 | Nintedanib N-Acyl methoxyenolindole | VS-N038015 | 1253769-13-9 |
| 18056 | Despiperazinylnintedanib E-isomer   | VS-N038016 | N/A          |
| 18057 | Nintedanib Ethoxy Enolindole        | VS-N038017 | 656247-19-7  |
| 18058 | Nintedanib Impurity 1               | VS-N038018 | 2514952-69-1 |
| 18059 | Nintedanib Impurity 2               | VS-N038019 | 1174335-83-1 |
| 18060 | Nintedanib Impurity 3               | VS-N038020 | 1168150-46-6 |
| 18061 | Nintedanib Impurity 4               | VS-N038021 | 1987887-92-2 |
| 18062 | Nintedanib Impurity 6               | VS-N038022 | 894783-71-2  |
| 18063 | Nintedanib Impurity 7               | VS-N038023 | N/A          |

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| 18064 | Nintedanib Impurity 8                  | VS-N038024 | 2093243-16-2 |
| 18065 | Nintedanib Impurity 10                 | VS-N038025 | N/A          |
| 18066 | Nintedanib Impurity 11                 | VS-N038026 | N/A          |
| 18067 | Nintedanib Impurity 12                 | VS-N038027 | N/A          |
| 18068 | Nintedanib Impurity 13                 | VS-N038028 | N/A          |
| 18069 | Nintedanib Impurity 14                 | VS-N038029 | 1168152-06-4 |
| 18070 | Nintedanib Impurity 15                 | VS-N038030 | 1027407-75-5 |
| 18071 | Nintedanib Impurity 16                 | VS-N038031 | N/A          |
| 18072 | Nintedanib Impurity 17                 | VS-N038032 | N/A          |
| 18073 | Nintedanib Impurity 18                 | VS-N038033 | N/A          |
| 18074 | Nintedanib Impurity 19                 | VS-N038034 | 2095628-55-8 |
| 18075 | Nintedanib Impurity 20                 | VS-N038035 | 1912-28-3    |
| 18076 | Nintedanib Impurity 22                 | VS-N038036 | 2410284-89-6 |
| 18077 | Nintedanib Impurity 23                 | VS-N038037 | N/A          |
| 18078 | Nintedanib Impurity 24                 | VS-N038038 | 1139455-52-9 |
| 18079 | Nintedanib Impurity 25                 | VS-N038039 | N/A          |
| 18080 | Nintedanib Impurity 26                 | VS-N038040 | N/A          |
| 18081 | Nintedanib Impurity 27                 | VS-N038041 | 150784-50-2  |
| 18082 | Nintedanib Impurity 28                 | VS-N038042 | 2410649-54-4 |
| 18083 | Nintedanib Impurity 29                 | VS-N038043 | 2117628-65-4 |
| 18084 | Nintedanib Impurity 30                 | VS-N038044 | 652140-02-8  |
| 18085 | Nintedanib Impurity 31                 | VS-N038045 | 1799894-54-4 |
| 18086 | Nintedanib Impurity 32                 | VS-N038046 | 262368-30-9  |
| 18087 | Nintedanib Impurity 33                 | VS-N038047 | 2410284-90-9 |
| 18088 | Nintedanib Impurity 34                 | VS-N038048 | 1235004-99-5 |
| 18089 | Nintedanib Impurity 35                 | VS-N038049 | 1168152-07-5 |
| 18090 | Nintedanib Impurity 36                 | VS-N038050 | 2380229-45-6 |
| 18091 | Nintedanib Impurity 37                 | VS-N038051 | 2653-16-9    |
| 18092 | Nintedanib Impurity 38                 | VS-N038052 | 1160293-27-5 |
| 18093 | Nintedanib Impurity 39                 | VS-N038053 | N/A          |
| 18094 | Nintedanib Impurity 40                 | VS-N038054 | N/A          |
| 18095 | Nintedanib Nitroso Impurity 1          | VS-N038055 | N/A          |
| 18096 | Nintedanib 4-Nitrophenyl 2-(4-Nitroso) | VS-N038056 | N/A          |
| 18097 | Nintedanib Desmethyl Nitroso Impurity  | VS-N038057 | N/A          |
| 18098 | Nintedanib esylate Impurity A          | VS-N038058 | N/A          |
| 18099 | Nintedanib esylate Impurity B          | VS-N038059 | N/A          |
| 18100 | Nintedanib esylate Impurity C          | VS-N038060 | 2519501-85-8 |
| 18101 | Nintedanib esylate Impurity D          | VS-N038061 | 1139455-52-9 |
| 18102 | Nintedanib esylate Impurity E          | VS-N038062 | 2380229-45-6 |
| 18103 | Nintedanib esylate Impurity F          | VS-N038063 | 2410284-90-9 |
| 18104 | Nintedanib Impurity 41                 | VS-N038064 | 14192-26-8   |
| 18105 | Nintedanib Impurity 42                 | VS-N038065 | 855860-75-2  |
| 18106 | Niraparib                              | VS-N039000 | 1038915-60-4 |
| 18107 | Niraparib Tosylate                     | VS-N039001 | 1038915-73-9 |
| 18108 | Niraparib Impurity 1                   | VS-N039002 | 1038916-11-8 |
| 18109 | Niraparib Nitroso Impurity             | VS-N039003 | NA           |
| 18110 | N-Nitroso Niraparib                    | VS-N039004 | NA           |

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| 18111 | Niraparib Carboxylic Acid Nitroso Impurity   | VS-N039005 | NA           |
| 18112 | Nisoldipine                                  | VS-N040000 | 63675-72-9   |
| 18113 | Nisoldipine Diisobutyl Impurity              | VS-N040001 | 2226462-71-9 |
| 18114 | Nisoldipine USP Related Compound D           | VS-N040002 | 103026-83-1  |
| 18115 | Nisoldipine USP Related Compound C           | VS-N040003 | 61312-59-2   |
| 18116 | Nisoldipine USP Related Compound C(E-Isomer) | VS-N040004 | N/A          |
| 18117 | Nisoldipine Impurity F                       | VS-N040005 | N/A          |
| 18118 | Nitazoxanide                                 | VS-N041000 | 55981-09-4   |
| 18119 | Nitazoxanide USP RC A                        | VS-N041001 | 121-66-4     |
| 18120 | Nitazoxanide Impurity 1                      | VS-N041002 | 402848-76-4  |
| 18121 | Nitazoxanide Impurity 2                      | VS-N041003 | 952686-58-7  |
| 18122 | Nitenpyram                                   | VS-N042000 | 150824-47-8  |
| 18123 | Nitisinone                                   | VS-N043000 | 104206-65-7  |
| 18124 | Nitisinone Acid Impurity                     | VS-N043001 | 320-94-5     |
| 18125 | Nitisinone Impurity 1                        | VS-N043002 | N/A          |
| 18126 | Nitisinone Impurity 2                        | VS-N043003 | 778-94-9     |
| 18127 | Nitrilotriacetic Acid                        | VS-N044000 | 139-13-9     |
| 18128 | Nitrofurantoin                               | VS-N045000 | 67-20-9      |
| 18129 | Nitrofurazone                                | VS-N045001 | 59-87-0      |
| 18130 | Nitrofurantoin Related Compound A            | VS-N045002 | 63981-22-6   |
| 18131 | Methyl Chloroacetate                         | VS-N045003 | 96-34-4      |
| 18132 | 1-Aminohydantoin                             | VS-N045004 | 06-02-01     |
| 18133 | Nitrofurantoin Impurity R                    | VS-N045005 | 91447-38-0   |
| 18134 | Nitrofurantoin Impurity 2                    | VS-N045006 | N/A          |
| 18135 | Nitrofurantoin Impurity 3                    | VS-N045007 | N/A          |
| 18136 | Nizatidine                                   | VS-N046000 | 76963-41-2   |
| 18137 | Nizatidine EP Impurity A                     | VS-N046001 | 54252-45-8   |
| 18138 | Nizatidine EP Impurity B                     | VS-N046002 | N/A          |
| 18139 | Nizatidine EP Impurity C                     | VS-N046003 | N/A          |
| 18140 | Nizatidine EP Impurity D                     | VS-N046004 | 78441-62-0   |
| 18141 | Nizatidine EP Impurity E                     | VS-N046005 | 188666-11-7  |
| 18142 | Nizatidine EP Impurity F                     | VS-N046006 | 1193434-62-6 |
| 18143 | Nizatidine EP Impurity G                     | VS-N046007 | 1193434-63-7 |
| 18144 | Nizatidine EP Impurity H                     | VS-N046008 | 27507-28-4   |
| 18145 | Nizatidine EP Impurity I                     | VS-N046009 | 82586-81-0   |
| 18146 | Nizatidine EP Impurity J                     | VS-N046010 | 78441-69-7   |
| 18147 | Nizatidine EP Impurity K                     | VS-N046011 | 112233-23-5  |
| 18148 | Nizatidine N-Desmethyl Metabolite            | VS-N046012 | 82586-78-5   |
| 18149 | Nizatidine N-Oxide                           | VS-N046013 | N/A          |
| 18150 | 1,3 Dichloroacetone                          | VS-N046014 | 534-07-6     |
| 18151 | Nizatidine Impurity 1                        | VS-N046015 | 92759-37-0   |
| 18152 | Nizatidine Impurity 2                        | VS-N046016 | 140176-73-4  |
| 18153 | Nizatidine Impurity 3                        | VS-N046017 | N/A          |
| 18154 | Nizatidine Impurity 4                        | VS-N046018 | N/A          |
| 18155 | Nizatidine Impurity X                        | VS-N046019 | 1193434-64-8 |
| 18156 | Nomegestrol                                  | VS-N047000 | 58691-88-6   |
| 18157 | Nomegestrol Acetate                          | VS-N047001 | 58652-20-3   |

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| 18158 | Nomegestrol EP Impurity A                               | VS-N047002 | 32420-14-7   |
| 18159 | Nomegestrol Impurity 1                                  | VS-N047003 | 147508-44-9  |
| 18160 | Noradrenaline Hydrochloride                             | VS-N048001 | 329-56-6     |
| 18161 | Noradrenaline EP Impurity A                             | VS-N048002 | 51-43-4      |
| 18162 | Noradrenaline EP Impurity B                             | VS-N048003 | 499-61-6     |
| 18163 | Noradrenaline EP Impurity C                             | VS-N048004 | 51-61-6      |
| 18164 | Noradrenaline EP Impurity D                             | VS-N048005 | 1932110-67-2 |
| 18165 | Noradrenaline EP Impurity E                             | VS-N048006 | 99-40-1      |
| 18166 | Noradrenaline EP Impurity F                             | VS-N048007 | 103-49-1     |
| 18167 | Noradrenaline EP Impurity G                             | VS-N048008 | 13062-58-3   |
| 18168 | (+)-Noradrenaline Bitartrate                            | VS-N048009 | 636-88-4     |
| 18169 | Noradrenolone                                           | VS-N049000 | 499-61-6     |
| 18170 | Norepinephrine                                          | VS-N050000 | 51-41-2      |
| 18171 | Norepinephrine Sulfonic Acid                            | VS-N050001 | 24159-36-2   |
| 18172 | (±)-Synephrine                                          | VS-N050002 | 94-07-5      |
| 18173 | Norepinephrine Dihydroxy Benzene Sulfonic Acid Impurity | VS-N050003 | N/A          |
| 18174 | Norepinephrine Impurity 1                               | VS-N050004 | 35538-87-5   |
| 18175 | Norepinephrine Impurity 2                               | VS-N050005 | 717087-60-0  |
| 18176 | Norepinephrine Impurity 3                               | VS-N050006 | 149-95-1     |
| 18177 | Norepinephrine Impurity 4                               | VS-N050007 | 112346-92-6  |
| 18178 | Norepinephrine Bitartrate monohydrate                   | VS-N050008 | 108341-18-0  |
| 18179 | Norethindrone                                           | VS-N051000 | 68-22-4      |
| 18180 | Norethindrone EP Impurity A                             | VS-N051001 | 31528-46-8   |
| 18181 | Norethindrone EP Impurity B                             | VS-N051002 | 734-32-7     |
| 18182 | Norethindrone EP Impurity C                             | VS-N051003 | 22933-71-7   |
| 18183 | Norethindrone EP Impurity D                             | VS-N051004 | 68-23-5      |
| 18184 | Norethindrone EP Impurity E                             | VS-N051005 | 79727-03-0   |
| 18185 | Norethindrone EP Impurity F                             | VS-N051006 | 96487-85-3   |
| 18186 | Norethindrone EP Impurity G                             | VS-N051007 | 38673-36-8   |
| 18187 | Norethindrone EP Impurity H                             | VS-N051008 | 51724-44-8   |
| 18188 | Norethindrone 3-Isopropoxy Impurity                     | VS-N051009 | N/A          |
| 18189 | Norethindrone 4,5a-Dihydro Impurity                     | VS-N051010 | 52-79-9      |
| 18190 | Norethindrone 6-alpha-Hydroxy Impurity                  | VS-N051011 | 438244-33-8  |
| 18191 | Norethindrone 6-Oxo Impurity                            | VS-N051012 | 67696-78-0   |
| 18192 | Norethindrone Enanthate                                 | VS-N051013 | 3836-23-5    |
| 18193 | 19-Nor-4-Androstene-3,17-Dione                          | VS-N051014 | 5144-25-2    |
| 18194 | 10-Beta-Hydroxy Norethindrone Impurity                  | VS-N051015 | 1236-00-6    |
| 18195 | 6b-hydroxy-norethisterone enantate                      | VS-N051016 | N/A          |
| 18196 | 6a-hydroxy-norethisterone enantate                      | VS-N051017 | N/A          |
| 18197 | 10b-hydroxy-norethisterone enantate                     | VS-N051018 | N/A          |
| 18198 | 6b-10b-dihydroxy-norethisterone enantate                | VS-N051019 | N/A          |
| 18199 | 6a-10b-dihydroxy-norethisterone enantate                | VS-N051020 | N/A          |
| 18200 | 6-keto-norethisterone enantate                          | VS-N051021 | N/A          |
| 18201 | Norethisterone 3-hexenoate                              | VS-N051022 | N/A          |
| 18202 | Norethisterone Octoate                                  | VS-N051023 | 120793-85-3  |
| 18203 | Norethisterone Hexenoate                                | VS-N051024 | 89094-33-7   |
| 18204 | Norethindrone Impurity A                                | VS-N051025 | N/A          |

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| 18205 | Norethisterone EP Impurity B Dihydrochloride        | VS-N051026 | 888714-84-9  |
| 18206 | Norethindrone Acetate                               | VS-N052000 | 51-98-9      |
| 18207 | Norethindrone Acetate EP Impurity A                 | VS-N052001 | 68-22-4      |
| 18208 | Norethindrone Acetate EP Impurity B                 | VS-N052002 | 19637-28-6   |
| 18209 | Norethindrone Acetate EP Impurity C                 | VS-N052003 | 1175129-26-6 |
| 18210 | Norethindrone Acetate EP Impurity D                 | VS-N052004 | N/A          |
| 18211 | Norethindrone Acetate EP Impurity E                 | VS-N052005 | 66964-58-7   |
| 18212 | Norethindrone Acetate EP Impurity F                 | VS-N052006 | 6856-27-5    |
| 18213 | Norethindrone Acetate EP Impurity G                 | VS-N052007 | 438244-27-0  |
| 18214 | Norethindrone Acetate EP Impurity H                 | VS-N052008 | 2417092-17-0 |
| 18215 | Norethindrone Acetate EP Impurity I                 | VS-N052009 | 50717-99-2   |
| 18216 | Norethindrone Acetate 6,7-Dehydro Impurity          | VS-N052010 | 106765-04-2  |
| 18217 | Norethindrone Acetate 6- $\alpha$ -Hydroxy Impurity | VS-N052011 | 6856-28-6    |
| 18218 | 6,10-di-Hydroxy Norethindrone Acetate               | VS-N052012 | N/A          |
| 18219 | Norethindrone Acetate Dimer                         | VS-N052013 | N/A          |
| 18220 | 10 $\beta$ -Hydroperoxy Norethindrone Acetate       | VS-N052014 | 13236-11-8   |
| 18221 | 6 $\beta$ -Acetoxynorethindrone Acetate             | VS-N052015 | N/A          |
| 18222 | 6( $\alpha,\beta$ )-Hydroxy Norethindrone Acetate   | VS-N052016 | N/A          |
| 18223 | Norethindrone Acetate Impurity 1                    | VS-N052017 | 38673-38-0   |
| 18224 | Norfloxacin                                         | VS-N053000 | 70458-96-7   |
| 18225 | Norfloxacin EP Impurity A                           | VS-N053001 | 68077-26-9   |
| 18226 | Norfloxacin EP Impurity B                           | VS-N053002 | 75001-77-3   |
| 18227 | Norfloxacin EP Impurity B HCl                       | VS-N053003 | 1797116-86-9 |
| 18228 | Norfloxacin EP Impurity C                           | VS-N053004 | 177554-64-2  |
| 18229 | Norfloxacin EP Impurity D                           | VS-N053005 | 75001-82-0   |
| 18230 | Norfloxacin EP Impurity E                           | VS-N053006 | 75001-78-4   |
| 18231 | Norfloxacin EP Impurity F                           | VS-N053007 | 67681-84-9   |
| 18232 | Norfloxacin EP Impurity G                           | VS-N053008 | 70459-04-0   |
| 18233 | Norfloxacin EP Impurity H                           | VS-N053009 | 105440-01-5  |
| 18234 | Norfloxacin EP Impurity K                           | VS-N053010 | 70459-07-3   |
| 18235 | Norfloxacin EP Impurity I                           | VS-N053011 | N/A          |
| 18236 | Norfloxacin EP Impurity J                           | VS-N053012 | N/A          |
| 18237 | Norfloxacin Impurity 1                              | VS-N053013 | 70032-16-5   |
| 18238 | Norfloxacin Impurity 2                              | VS-N053014 | N/A          |
| 18239 | Norfloxacin Impurity 3                              | VS-N053015 | 1911573-08-4 |
| 18240 | Norfloxacin Impurity 4                              | VS-N053016 | 75001-63-7   |
| 18241 | Norgestimate                                        | VS-N054000 | 35189-28-7   |
| 18242 | Norgestimate EP Impurity A                          | VS-N054001 | 13732-69-9   |
| 18243 | Norgestimate EP Impurity B                          | VS-N054002 | 797-63-7     |
| 18244 | Norgestimate EP Impurity C                          | VS-N054003 | 74183-55-4   |
| 18245 | Norgestimate EP Impurity D                          | VS-N054004 | 74183-54-3   |
| 18246 | Norgestrel                                          | VS-N055000 | 6533-00-2    |
| 18247 | Nortriptyline Hydrochloride                         | VS-N056001 | 894-71-3     |
| 18248 | Nortriptyline EP Impurity A                         | VS-N056002 | 1210-35-1    |
| 18249 | Nortriptyline EP Impurity B                         | VS-N056003 | 303-50-4     |
| 18250 | Nortriptyline EP Impurity D                         | VS-N056004 | 1159-03-1    |
| 18251 | Nortriptyline EP Impurity E                         | VS-N056005 | 303-53-7     |

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| 18252 | Nortriptyline EP Impurity F            | VS-N056006 | 50-48-6      |
| 18253 | Nortriptyline EP Impurity G            | VS-N056007 | 16234-88-1   |
| 18254 | Nortriptyline EP Impurity H            | VS-N056008 | 24755-73-5   |
| 18255 | Nortriptyline EP Impurity I            | VS-N056009 | 1210-34-0    |
| 18256 | Nortriptyline EP Impurity J            | VS-N056010 | 4317-14-0    |
| 18257 | Z-10 Hydroxynortriptyline              | VS-N056011 | 47132-19-4   |
| 18258 | E-10 Hydroxynortriptyline              | VS-N056012 | N/A          |
| 18259 | Nortriptyline Isopropyl Ester Impurity | VS-N056013 | N/A          |
| 18260 | Nortriptyline Methyl Ester Impurity    | VS-N056014 | N/A          |
| 18261 | Nortriptyline Impurity B (HCl)         | VS-N056015 | 438-59-5     |
| 18262 | Nortriptyline EP Impurity E (HCl)      | VS-N056016 | 6202-23-9    |
| 18263 | Nortriptyline EP Impurity F (HCl)      | VS-N056017 | 549-18-8     |
| 18264 | N-Nitroso Nortriptyline                | VS-N056018 | 55855-42-0   |
| 18265 | N-Nitroso Nortriptyline-D3             | VS-N056019 | N/A          |
| 18266 | Novobiocin Sodium                      | VS-N057001 | 1476-53-5    |
| 18267 | Diethyl 2-acetamidomalonate            | VS-N057002 | 1068-90-2    |
| 18268 | Nystatin                               | VS-N058000 | 1400-61-9    |
| 18269 | Carboxylate Ion of Nystatin            | VS-N058001 | N/A          |
| 18270 | Nbd-Nystatin                           | VS-N058002 | 96475-98-8   |
| 18271 | Nystatin A2                            | VS-N058003 | 65086-32-0   |
| 18272 | Nystatin A3                            | VS-N058004 | 62997-67-5   |
| 18273 | Nystatin DMSO                          | VS-N058005 | N/A          |
| 18274 | Naltrexone                             | VS-N059000 | 16590-41-3   |
| 18275 | Naltrexone Hydrochloride               | VS-N059001 | 16676-29-2   |
| 18276 | Naltrexone EP Impurity A               | VS-N059002 | 1007856-83-8 |
| 18277 | Naltrexone EP Impurity B               | VS-N059003 | 33522-95-1   |
| 18278 | Naltrexone EP Impurity C               | VS-N059004 | 189016-90-8  |
| 18279 | Naltrexone EP Impurity D               | VS-N059005 | 607732-61-6  |
| 18280 | Naltrexone EP Impurity E               | VS-N059006 | 767615-69-0  |
| 18281 | Naltrexone EP Impurity F               | VS-N059007 | 2397651-97-5 |
| 18282 | Naltrexone EP Impurity G               | VS-N059008 | NA           |
| 18283 | Naltrexone EP Impurity H               | VS-N059009 | 503090-99-1  |
| 18284 | Naltrexone EP Impurity I               | VS-N059010 | 96445-14-6   |
| 18285 | Naltrexone EP Impurity J               | VS-N059011 | 16617-07-5   |
| 18286 | 3-(O)-Acetyl Naltrexone Methobromide   | VS-N059012 | NA           |
| 18287 | 3-O-Acetyl Naltrexone                  | VS-N059013 | 111129-14-7  |
| 18288 | 3-(O)-Methylnaltrexone Methobromide    | VS-N059014 | 1005410-37-6 |
| 18289 | Methylnaltrexone Bromide               | VS-N059015 | 73232-52-7   |
| 18290 | 6 $\beta$ -Naltrexol                   | VS-N059016 | 49625-89-0   |
| 18291 | 17S-Naltrexone Methobromide            | VS-N059017 | 916045-21-1  |
| 18292 | Oxymorphone butenylbromide             | VS-N059018 | NA           |
| 18293 | 10-Hydroxy Naltrexone                  | VS-N059019 | 604767-82-0  |
| 18294 | Naltrexone Aldol Dimer                 | VS-N059020 | NA           |
| 18295 | Naltrexone D4                          | VS-N059021 | 2070009-29-7 |
| 18296 | Naloxone                               | VS-N060000 | 465-65-6     |
| 18297 | Naloxone HCl                           | VS-N060001 | 357-08-4     |
| 18298 | Naloxone Impurity A                    | VS-N060002 | 33522-95-1   |



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| 18299 | Naloxone Impurity B            | VS-N060003 | 1352085-46-1 |
| 18300 | Naloxone Impurity C            | VS-N060004 | 2139253-68-0 |
| 18301 | Naloxone Impurity D            | VS-N060005 | 26451-92-3   |
| 18302 | Naloxone Impurity E            | VS-N060006 | 211738-08-8  |
| 18303 | Naloxone Impurity F            | VS-N060007 | 2139253-69-1 |
| 18304 | Naloxone Impurity G            | VS-N060008 | 70866-64-7   |
| 18305 | Naloxone Impurity 1            | VS-N060009 | NA           |
| 18306 | O-Propyl Naloxone Enolether    | VS-N060010 | NA           |
| 18307 | Naloxone Nitroso EP Impurity A | VS-N060011 | NA           |
| 18308 | Naftidrofuryl Oxalate          | VS-N062000 | 04-06-00     |
| 18309 | Nalbuphine Hydrochloride       | VS-N063000 | 23277-43-2   |
| 18310 | 2,2-Bis Nalbuphine             | VS-N063001 | 214542-42-4  |
| 18311 | Beta-Nalbuphine                | VS-N063002 | 85284-04-4   |
| 18312 | Nalbuphine Impurity 1          | VS-N063003 | 2771387-27-8 |
| 18313 | 6 $\alpha$ -Oxymorphol         | VS-N063004 | 2183-56-4    |
| 18314 | 6-Keto Nalbuphine HCl          | VS-N063005 | 16676-34-9   |
| 18315 | 6 $\alpha$ -Noroxymorphol      | VS-N063006 | 58477-92-2   |
| 18316 | Nalbuphine D3                  | VS-N063007 | NA           |
| 18317 | Nalfurafine                    | VS-N064000 | 152657-84-6  |
| 18318 | Nalfurafine Impurity 1         | VS-N064001 | NA           |
| 18319 | Nalidixic acid                 | VS-N065000 | 389-08-2     |
| 18320 | 10-Ketonalmefene               | VS-N066000 | NA           |
| 18321 | 10-Alpha Hydroxy Nalmefene     | VS-N066001 | NA           |
| 18322 | 2,2'-Bisnalmefene              | VS-N066002 | 176220-84-1  |
| 18323 | Nalmefene hydrochloride        | VS-N066003 | 58895-64-0   |
| 18324 | Naloxegol                      | VS-N067000 | 854601-70-0  |
| 18325 | Naloxegol Impurity 1           | VS-N067001 | 854601-67-5  |
| 18326 | Naloxegol Impurity 2           | VS-N067002 | NA           |
| 18327 | Naloxegol Nitroso Impurity 1   | VS-N067003 | NA           |
| 18328 | Narasin                        | VS-N068000 | 55134-13-9   |
| 18329 | Neotame                        | VS-N069000 | 165450-17-9  |
| 18330 | Neotame USP Related Compound A | VS-N069001 | 190910-14-6  |
| 18331 | Netilmicin Sulfate             | VS-N070000 | 56391-57-2   |
| 18332 | Netilmicin EP Impurity A       | VS-N070001 | 32385-11-8   |
| 18333 | Netilmicin EP Impurity B       | VS-N070002 | 67666-41-5   |
| 18334 | Netilmicin EP Impurity C       | VS-N070003 | 63721-52-8   |
| 18335 | Netilmicin EP Impurity D       | VS-N070004 | 63721-51-7   |
| 18336 | Nicarbazine                    | VS-N071000 | 330-95-0     |
| 18337 | Nicotinic Acid                 | VS-N072000 | 59-67-6      |
| 18338 | Nicotinic Acid EP Impurity A   | VS-N072001 | 3222-47-7    |
| 18339 | Nicotinic Acid EP Impurity B   | VS-N072002 | 1802-30-8    |
| 18340 | Nicotinic Acid EP Impurity C   | VS-N072003 | 104-90-5     |
| 18341 | Nicotinic Acid EP Impurity D   | VS-N072004 | 100-26-5     |
| 18342 | Nicotinic Acid EP Impurity E   | VS-N072005 | 55-22-1      |
| 18343 | Nicotinic Acid EP Impurity F   | VS-N072006 | 2047-49-6    |
| 18344 | Nicotinic Acid EP Impurity G   | VS-N072007 | 110-86-1     |
| 18345 | Nicotinic Acid EP Impurity H   | VS-N072008 | 2530-26-9    |

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| 18346 | Nicotinic Acid EP Impurity I | VS-N072009 | 940-06-7     |
| 18347 | 2-Nitroisonicotinic Acid     | VS-N072010 | 33225-74-0   |
| 18348 | Niflumic Acid                | VS-N073000 | 4394-00-7    |
| 18349 | N-Nitroso Niflumic Acid      | VS-N073001 | NA           |
| 18350 | Niflumic Acid EP Impurity A  | VS-N073002 | 2942-59-8    |
| 18351 | Niflumic Acid EP Impurity B  | VS-N073003 | NA           |
| 18352 | Niflumic Acid EP Impurity C  | VS-N073004 | 98-16-8      |
| 18353 | Niflumic Acid EP Impurity E  | VS-N073005 | 15871-46-2   |
| 18354 | Niflumic Acid EP Impurity F  | VS-N073006 | 59361-45-4   |
| 18355 | Nifurtimox                   | VS-N074000 | 23256-30-6   |
| 18356 | Nimorazole                   | VS-N075000 | 6506-37-2    |
| 18357 | Nirmatrelvir                 | VS-N076000 | 2628280-40-8 |
| 18358 | Nirmatrelvir Impurity B      | VS-N076001 | 2755812-81-6 |
| 18359 | Nirmatrelvir Impurity 1      | VS-N076002 | NA           |
| 18360 | Nirmatrelvir Impurity 2      | VS-N076003 | NA           |
| 18361 | Nirmatrelvir Impurity 3      | VS-N076004 | NA           |
| 18362 | Nirmatrelvir Impurity 4      | VS-N076005 | NA           |
| 18363 | Nirmatrelvir Impurity 5      | VS-N076006 | NA           |
| 18364 | Nirmatrelvir Impurity 6      | VS-N076007 | 2755812-41-8 |
| 18365 | Nirmatrelvir Impurity 7      | VS-N076008 | NA           |
| 18366 | Nirmatrelvir Impurity 8      | VS-N076009 | NA           |
| 18367 | Nirmatrelvir Impurity 9      | VS-N076010 | NA           |
| 18368 | Nirmatrelvir Impurity 10     | VS-N076011 | 1027601-37-1 |
| 18369 | Nirmatrelvir Impurity 11     | VS-N076012 | NA           |
| 18370 | Nirmatrelvir Impurity 12     | VS-N076013 | 2755950-35-5 |
| 18371 | Nirmatrelvir Impurity 13     | VS-N076014 | NA           |
| 18372 | Nirmatrelvir Impurity 14     | VS-N076015 | NA           |
| 18373 | Nirmatrelvir Impurity 15     | VS-N076016 | NA           |
| 18374 | Nirmatrelvir Impurity 16     | VS-N076017 | NA           |
| 18375 | Nirmatrelvir Impurity 17     | VS-N076018 | NA           |
| 18376 | Nirmatrelvir Impurity 18     | VS-N076019 | NA           |
| 18377 | Nirmatrelvir Impurity 19     | VS-N076020 | NA           |
| 18378 | Nirmatrelvir Impurity 20     | VS-N076021 | NA           |
| 18379 | Nirmatrelvir Impurity 21     | VS-N076022 | NA           |
| 18380 | Nirmatrelvir Impurity 22     | VS-N076023 | NA           |
| 18381 | Nirmatrelvir Impurity 23     | VS-N076024 | NA           |
| 18382 | Nirmatrelvir Impurity 24     | VS-N076025 | NA           |
| 18383 | Nirmatrelvir Impurity 25     | VS-N076026 | 1932478-97-1 |
| 18384 | Nirmatrelvir Impurity 26     | VS-N076027 | 1373205-30-1 |
| 18385 | Nirmatrelvir Impurity 27     | VS-N076028 | 666832-71-9  |
| 18386 | Nirmatrelvir Impurity 28     | VS-N076029 | 1037559-71-9 |
| 18387 | Nirmatrelvir Impurity 29     | VS-N076030 | 1037559-78-6 |
| 18388 | Nirmatrelvir Impurity 30     | VS-N076031 | 1037559-82-2 |
| 18389 | Nirmatrelvir Impurity 31     | VS-N076032 | 943516-54-9  |
| 18390 | Nirmatrelvir Impurity 32     | VS-N076033 | 31557-26-3   |
| 18391 | Nirmatrelvir Impurity 33     | VS-N076034 | NA           |
| 18392 | Nirmatrelvir Impurity 34     | VS-N076035 | NA           |

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| 18393 | Nirmatrelvir Impurity 35                                     | VS-N076036 | NA           |
| 18394 | Nirmatrelvir Impurity 36                                     | VS-N076037 | 2889532-79-8 |
| 18395 | Nirmatrelvir D9                                              | VS-N076038 | NA           |
| 18396 | Nirmatrelvir Impurity A                                      | VS-N076039 | 2628280-48-6 |
| 18397 | Nitrazepam-D5                                                | VS-N077000 | 136765-45-2  |
| 18398 | Nitrazepam EP Impurity A                                     | VS-N077001 | 36020-93-6   |
| 18399 | Nitrazepam EP Impurity B                                     | VS-N077002 | 1775-95-7    |
| 18400 | Nitrazepam EP Impurity C                                     | VS-N077003 | 2011-70-3    |
| 18401 | Nitrazepam EP Impurity D                                     | VS-N077004 | 33311-76-1   |
| 18402 | Nitrendipine                                                 | VS-N078000 | 39562-70-4   |
| 18403 | Nitrendipine EP Impurity A                                   | VS-N078001 | 89267-41-4   |
| 18404 | Nitrendipine EP Impurity B                                   | VS-N078002 | 21881-77-6   |
| 18405 | Nitrendipine EP Impurity C                                   | VS-N078003 | 21829-28-7   |
| 18406 | N-Nitroso Nitrendipine                                       | VS-N078004 | NA           |
| 18407 | Nitrofural                                                   | VS-N079000 | 59-87-0      |
| 18408 | Nitrofural EP Impurity A                                     | VS-N079001 | 736-53-8     |
| 18409 | Nitrofural EP Impurity B                                     | VS-N079002 | 92-55-7      |
| 18410 | Nitrofural EP Impurity 1                                     | VS-N079003 | 52661-56-0   |
| 18411 | Methylnitrosamino-N,N-dimethylethylamine                     | VS-N080000 | 23834-30-2   |
| 18412 | N-Methyl-N-[2-(methylamino)ethyl]nitrous amide hydrochloride | VS-N080001 | 2375271-12-6 |
| 18413 | N,N'-(ethane-1,2-diyl)bis(N-methylnitrous amide)             | VS-N080002 | NA           |
| 18414 | 1-Nitroso-1H-Indole                                          | VS-N080003 | 7633-57-0    |
| 18415 | Nitrosopyrrolidine                                           | VS-N080004 | 930-55-2     |
| 18416 | N-Nitrosoethylmethylamine-d3                                 | VS-N080005 | 69278-54-2   |
| 18417 | N-Ethyl-N-nitroso-2-propanamine-d5                           | VS-N080006 | NA           |
| 18418 | N-Nitrosodiisopropylamine- d14                               | VS-N080007 | NA           |
| 18419 | N-Nitrosopiperidine-d4                                       | VS-N080008 | 99389-11-4   |
| 18420 | N-Nitroso-N-methylaniline-d5                                 | VS-N080009 | 1821341-18-7 |
| 18421 | Nitrosobis(2-hydroxyethyl)amine-d8                           | VS-N080010 | 1173019-53-8 |
| 18422 | N-Nitrosodiethylamine 13c-D6                                 | VS-N080011 | NA           |
| 18423 | N-Nitrosopiperidine-d10                                      | VS-N080012 | 960049-21-2  |
| 18424 | N-Nitrosopyrrolidine-d8                                      | VS-N080013 | 1219802-09-1 |
| 18425 | N-Nitrosodipropylamine-d14                                   | VS-N080014 | 93951-96-3   |
| 18426 | N-Nitrosomorpholine D8                                       | VS-N080015 | 1219805-76-1 |
| 18427 | N-Nitroso Diphenyl Amine-d10                                 | VS-N080016 | 42952-91-0   |
| 18428 | N-Nitroso-N-Ethyl piperazine                                 | VS-N080017 | 65504-33-8   |
| 18429 | N-Nitroso-3-hydroxy pyrrolidone                              | VS-N080018 | 2826147-23-1 |
| 18430 | N-Nitroso-4-hydroxy pyrrolidone                              | VS-N080019 | NA           |
| 18431 | N-Nitroso-5-hydroxy pyrrolidone                              | VS-N080020 | NA           |
| 18432 | N-Nitroso-N-Ethylaniline                                     | VS-N080021 | 612-64-6     |
| 18433 | N-Nitroso-7-monomethylamino-6-deoxytetracycline              | VS-N080022 | 28698-93-3   |
| 18434 | N-Nitrosodicyclohexylamine                                   | VS-N080023 | 947-92-2     |
| 18435 | N-Nitroso Bis(2-chloroethyl)amine                            | VS-N080024 | 67856-68-2   |
| 18436 | N-nitrosamine                                                | VS-N080025 | 35576-91-1   |
| 18437 | N-Nitroso-N-(phosphonomethyl)glycine                         | VS-N080026 | 56516-72-4   |
| 18438 | N-Nitroso 2-chloro-10H-phenothiazine                         | VS-N080027 | 2892260-30-7 |
| 18439 | Nitrosamines Impurity 1                                      | VS-N080028 | NA           |

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| 18440 | Nitrosamines Impurity 2                                        | VS-N080029 | 1038-06-8    |
| 18441 | N-Nitroso-Diterbutylamine                                      | VS-N080030 | 63819-70-5   |
| 18442 | Nitrosamines Impurity 4                                        | VS-N080031 | 48121-20-6   |
| 18443 | N'-Nitro-N-nitroso-N-methylguanidine                           | VS-N080032 | 70-25-7      |
| 18444 | N-methyl-N-phenethylnitrous amide                              | VS-N080033 | 13256-11-6   |
| 18445 | N-Nitrosodiphenylamine                                         | VS-N080034 | 86-30-6      |
| 18446 | N-Nitrosodiethylamine                                          | VS-N080035 | 55-18-5      |
| 18447 | 1-Nitroso-1H-Imidazole                                         | VS-N080036 | 123340-45-8  |
| 18448 | N,N-bis(2-aminoethyl)nitrous amide                             | VS-N080037 | 741659-46-1  |
| 18449 | N-(2-aminoethyl)-N-(2-((2-aminoethyl)amino)ethyl)nitrous amide | VS-N080038 | NA           |
| 18450 | 4-nitrosomethylaminopyridine                                   | VS-N080039 | 16219-99-1   |
| 18451 | N-Nitrosobis(2-hydroxypropyl)amine                             | VS-N080040 | 53609-64-6   |
| 18452 | 2,2,5-Trimethyl-3-nitrosooxazolidine                           | VS-N080041 | 77400-46-5   |
| 18453 | N-Nitroso-N-methyl-N-dodecylamine                              | VS-N080042 | 55090-44-3   |
| 18454 | N-Nitroso Pyrantel Pamoate Impurity                            | VS-N080043 | NA           |
| 18455 | N-Nitroso-N-Benzyl Anthranilic Acid                            | VS-N080044 | 1028-91-7    |
| 18456 | N-(5,5-Diethoxypentyl)-N-methylnitrous amide                   | VS-N080045 | NA           |
| 18457 | N-Methyl N-Nitroso p-toluenesulfonamide                        | VS-N080046 | 80-11-5      |
| 18458 | Nitrosamines Impurity 5                                        | VS-N080047 | 2680540-75-2 |
| 18459 | Nitrosamines Impurity 6                                        | VS-N080048 | 91551-58-5   |
| 18460 | N-Methyl-N-(pyridin-2-yl)nitrous amide                         | VS-N080049 | 16219-98-0   |
| 18461 | Nitrosamines Impurity 7                                        | VS-N080050 | 62783-48-6   |
| 18462 | N-nitroso Diallyl amine                                        | VS-N080051 | 16338-97-9   |
| 18463 | N-Nitroso tertiary Butyl Methyl Amine                          | VS-N080052 | 2504-18-9    |
| 18464 | N-Nitroso-N-methylcyclohexylamine                              | VS-N080053 | 5432-28-0    |
| 18465 | (1-Nitrosopiperidin-2-yl)methanol                              | VS-N080054 | 64605-07-8   |
| 18466 | N-Nitroso-4-piperidone                                         | VS-N080055 | 55556-91-7   |
| 18467 | 1-Cyclopentyl-4-nitrosopiperazine                              | VS-N080056 | 61379-66-6   |
| 18468 | Diethylamine Dinitroso Impurity                                | VS-N080057 | 13256-12-7   |
| 18469 | N-Methyl-N-Nitroso p-Toluidine                                 | VS-N080058 | 937-24-6     |
| 18470 | 1-Nitroso-1H-1,2,4-triazol-3-amine                             | VS-N080059 | NA           |
| 18471 | N,N-Dinitroso-Ethylene Diaminodiacetic Acid                    | VS-N080060 | 6943-40-4    |
| 18472 | N-Nitroso Ethylene Diamino Triacetic Acid                      | VS-N080061 | 862542-34-5  |
| 18473 | N-(3-chloropropyl)-N-methylnitrous amide                       | VS-N080062 | NA           |
| 18474 | N-(2-Hydroxyethyl)-N-methylnitrous Amide                       | VS-N080063 | 26921-68-6   |
| 18475 | Nitrosamines Impurity 8                                        | VS-N080064 | 2731010-51-6 |
| 18476 | 1-Nitroso-1,2,3,6-tetrahydropyridine                           | VS-N080065 | 55556-92-8   |
| 18477 | Nitrosamines Impurity 9                                        | VS-N080066 | 19023-40-6   |
| 18478 | N-Nitroso-N-Methyl-O-Methyl-Hydroxylamine                      | VS-N080067 | 16339-12-1   |
| 18479 | N-Nitroso-2-methylpiperidin                                    | VS-N080068 | 14026-03-0   |
| 18480 | N-Nitrosohexamethyleneimine                                    | VS-N080069 | 932-83-2     |
| 18481 | N-Nitroso-3-pyrrolidinol                                       | VS-N080070 | 56222-35-6   |
| 18482 | Nitrosamines Impurity 10                                       | VS-N080071 | NA           |
| 18483 | 1-Nitroso Hydantoin                                            | VS-N080072 | 42579-28-2   |
| 18484 | Nitrosamines Impurity 11                                       | VS-N080073 | NA           |
| 18485 | Nitrosamines Impurity 12                                       | VS-N080074 | NA           |
| 18486 | N-Nitrosodiisobutylamine                                       | VS-N080075 | 997-95-5     |

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| 18487 | 4-Chloro-N-nitrosopiperidine                                                  | VS-N080076 | 65445-61-6   |
| 18488 | 1-Nitrosopiperidin-3-amine                                                    | VS-N080077 | 2819242-71-0 |
| 18489 | N-Acetylnitrous Hydrazide                                                     | VS-N080078 | NA           |
| 18490 | Nitrosamines Impurity 13                                                      | VS-N080079 | 36972-73-3   |
| 18491 | Nitrosamines Impurity 14                                                      | VS-N080080 | NA           |
| 18492 | Nitrosamines Impurity 15                                                      | VS-N080081 | 872825-79-1  |
| 18493 | N-methyl-N-nitroso Acetamide                                                  | VS-N080082 | 7417-67-6    |
| 18494 | Hexahydro-1,3,5-trinitroso-1,3,5-triazine                                     | VS-N080083 | 13980-04-6   |
| 18495 | 1-Acetyl-4-nitrosopiperazine                                                  | VS-N080084 | 73742-56-0   |
| 18496 | Nitrosamines Impurity 16                                                      | VS-N080085 | 89614-31-3   |
| 18497 | N-Nitroso Sarcosine                                                           | VS-N080086 | 13256-22-9   |
| 18498 | Nitrosamines Impurity 18                                                      | VS-N080087 | NA           |
| 18499 | Nitrosamines Impurity 19                                                      | VS-N080088 | NA           |
| 18500 | Nitrosamines Impurity 20                                                      | VS-N080089 | NA           |
| 18501 | Nitrosamines Impurity 21                                                      | VS-N080090 | NA           |
| 18502 | N-Ethyl-N-(2-hydroxyethyl)nitrosamine                                         | VS-N080091 | 13147-25-6   |
| 18503 | Nitrosamines Impurity 22                                                      | VS-N080092 | 50270-42-3   |
| 18504 | N-Nitroso Pyrrole                                                             | VS-N080093 | 1233340-43-6 |
| 18505 | N-Nitroso-4-Piperidinol                                                       | VS-N080094 | 55556-93-9   |
| 18506 | N-Nitroso $\alpha,\alpha'$ -Hydrazodiisobutyronitrile                         | VS-N080095 | NA           |
| 18507 | Dinitroso $\alpha,\alpha'$ -Hydrazodiisobutyronitrile                         | VS-N080096 | NA           |
| 18508 | N-Nitroso Acetone Semicarbazone                                               | VS-N080097 | NA           |
| 18509 | Nitrosamines Impurity 23                                                      | VS-N080098 | NA           |
| 18510 | Nitrosamines Impurity 24                                                      | VS-N080099 | 29104-67-4   |
| 18511 | Nitrosamines Impurity 25                                                      | VS-N080100 | NA           |
| 18512 | 1-Nitroso-1,2,4-Triazole                                                      | VS-N080101 | 70890-80-1   |
| 18513 | Nitrosamines Impurity 26                                                      | VS-N080102 | NA           |
| 18514 | Nitrosamines Impurity 27                                                      | VS-N080103 | NA           |
| 18515 | 2,2,6,6-tetramethyl-1-nitrosopiperidine                                       | VS-N080104 | 6130-93-4    |
| 18516 | N-Nitroso Dimethylhydantoin                                                   | VS-N080105 | 37137-26-1   |
| 18517 | N-Benzyl-N-nitrosoacetimidamide                                               | VS-N080106 | NA           |
| 18518 | N-(2-Chloroethyl)-N-ethylnitrous amide hydrochloride                          | VS-N080107 | NA           |
| 18519 | N-nitroso N-Propyl Sulfamide                                                  | VS-N080108 | NA           |
| 18520 | N-Nitroso Di Isononyl Amine                                                   | VS-N080109 | 1216985-81-7 |
| 18521 | 3-Methyl-1-Nitrosoindoline                                                    | VS-N080110 | NA           |
| 18522 | N-Nitroso Didecylamine                                                        | VS-N080111 | 69112-95-4   |
| 18523 | Dinitrosopentamethylenetetramine                                              | VS-N080112 | 101-25-7     |
| 18524 | 2-(3-(4-nitrosopiperazin-1-yl)propyl)-[1,2,4]triazolo[4,3-a]pyridin-3(2H)-one | VS-N080113 | NA           |
| 18525 | 2-Methyl-5-Nitro-1-Nitroso-1H-imidazole                                       | VS-N080114 | NA           |
| 18526 | 2-methyl-1-nitrosoindole                                                      | VS-N080115 | NA           |
| 18527 | 1-(6-nitropyridin-3-yl)-4-nitrosopiperazine                                   | VS-N080116 | 2089333-12-8 |
| 18528 | N-(5-bromo-2-chloropyrimidin-4-yl)-N-cyclopentylnitrous amide                 | VS-N080117 | NA           |
| 18529 | Nitroso N-(2-chloroethyl)-N-methyl amine                                      | VS-N080118 | 16339-16-5   |
| 18530 | N-(5-bromo-2-chloropyrimidin-4-yl)-N-cyclopentylnitrous amide                 | VS-N080119 | NA           |
| 18531 | N-(2-Aminoethyl)-N-ethylnitrous amide                                         | VS-N080120 | 2680539-26-6 |
| 18532 | N-Nitrosomorpholine                                                           | VS-N080121 | 59-89-2      |

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| 18533 | N-Nitrosodiisopropylamine                              | VS-N080122 | 601-77-4     |
| 18534 | N-Nitrosodimethylamine                                 | VS-N080123 | 62-75-9      |
| 18535 | N-Nitroso-Di-N-Butylamine                              | VS-N080124 | 924-16-3     |
| 18536 | N-Nitroso-N'-methylpiperazine                          | VS-N080125 | 16339-07-4   |
| 18537 | N-Nitroso-N-Methylbenzylamine                          | VS-N080126 | 937-40-6     |
| 18538 | N-Nitrosodipropylamine                                 | VS-N080127 | 621-64-7     |
| 18539 | N-Nitrosodibenzylamine                                 | VS-N080128 | 5336-53-8    |
| 18540 | Nitrosoethylmethyl Amine                               | VS-N080129 | 10595-95-6   |
| 18541 | N-Nitroso-N-Methyl-4-Amino Butyric Acid                | VS-N080130 | 61445-55-4   |
| 18542 | N-Nitroso-N-Methylaniline                              | VS-N080131 | 614-00-6     |
| 18543 | 2-Nitrodiphenylamine                                   | VS-N080132 | 119-75-5     |
| 18544 | N-Nitroso Ethyl Isopropyl Amine                        | VS-N080133 | 16339-04-1   |
| 18545 | N-benzyl-N-ethylnitrous amide                          | VS-N080134 | 20689-96-7   |
| 18546 | N-Nitroso-N-Methyl-4-Aminobutyric Acid-d3              | VS-N080135 | 1184996-41-5 |
| 18547 | 1-Nitroso-2-pyrrolidinone                              | VS-N080136 | 54634-49-0   |
| 18548 | N-Nitroso Piperazine Monomer                           | VS-N080137 | 5632-47-3    |
| 18549 | N-Nitrosodiethylamine-D10                              | VS-N080138 | 1219794-54-3 |
| 18550 | N-Nitroso-L-proline                                    | VS-N080139 | 7519-36-0    |
| 18551 | 5-(Diethylamino)-2-nitrosophenol Hydrochloride         | VS-N080140 | 25953-06-4   |
| 18552 | N-Nitrosopropranolol                                   | VS-N080141 | 84418-35-9   |
| 18553 | 1,4-Dinitrosopiperazine                                | VS-N080142 | 140-79-4     |
| 18554 | 1-Nitrosoazetidine                                     | VS-N080143 | 15216-10-1   |
| 18555 | Nitroso-L-arginine                                     | VS-N080144 | 2492451-27-9 |
| 18556 | 1,1-Dimethylethyl N-(1-nitroso-3-piperidinyl)carbamate | VS-N080145 | 1973427-27-8 |
| 18557 | 2-methyl-1-nitroso indoline                            | VS-N080146 | NA           |
| 18558 | N-Nitroso Aniline                                      | VS-N080147 | 36966-84-4   |
| 18559 | Tert-butyl 4-nitrosopiperazine-1-carboxylate           | VS-N080148 | 877177-42-9  |
| 18560 | N-(5-Methylpyridin-2-yl)nitrous amide                  | VS-N080149 | 126209-21-0  |
| 18561 | Nitroscanate                                           | VS-N081000 | 19881-18-6   |
| 18562 | Nitroxynil                                             | VS-N082000 | 1689-89-0    |
| 18563 | Nordiazepam                                            | VS-N083000 | 1088-11-5    |
| 18564 | Norelgestromin                                         | VS-N084000 | 53016-31-2   |
| 18565 | Norelgestromin USP Related Compound A                  | VS-N084001 | NA           |
| 18566 | Normethadone                                           | VS-N086000 | 467-85-6     |
| 18567 | Normethadone hydrochloride                             | VS-N086001 | 847-84-7     |
| 18568 | Nortilidine                                            | VS-N088000 | 38677-94-0   |
| 18569 | N-Nitroso Nortilidine                                  | VS-N088001 | NA           |
| 18570 | Noscapine                                              | VS-N089000 | 128-62-1     |
| 18571 | Nor-Noscapine                                          | VS-N089001 | 92621-03-9   |
| 18572 | Norfenefrine                                           | VS-N090000 | 536-21-0     |
| 18573 | Norfenefrine HCl                                       | VS-N090001 | 4779-94-6    |
| 18574 | Nitroso Phthaloyl Amlodipine                           | VS-N091001 | N/A          |
| 18575 | N-Nitroso Atenolol-d5                                  | VS-N091002 | N/A          |
| 18576 | Nitroso Arformoterol                                   | VS-N091003 | N/A          |
| 18577 | N-Nitroso-Atenolol                                     | VS-N091004 | 134720-04-0  |
| 18578 | Bupropion Nitroso Impurity                             | VS-N091005 | 2763780-10-3 |
| 18579 | Buspirone Nitroso Impurity 1                           | VS-N091006 | 872826-80-7  |

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| 18580 | Bilastine Nitrosoamine Impurity 1       | VS-N091007 | N/A          |
| 18581 | N-NITROSO-BISOPROLOL                    | VS-N091008 | N/A          |
| 18582 | Mono-Nitroso-Clonidine                  | VS-N091009 | 148950-49-6  |
| 18583 | N-Nitroso Ciprofloxacin                 | VS-N091010 | 864443-44-7  |
| 18584 | N-NITROSO-CINACALCET                    | VS-N091011 | N/A          |
| 18585 | DABIGATRAN NITROSO IMPURITY 1           | VS-N091012 | N/A          |
| 18586 | DABIGATRAN NITROSO IMPURITY 18          | VS-N091013 | N/A          |
| 18587 | Dabigatran Nitroso Impurity 7           | VS-N091014 | N/A          |
| 18588 | Dabigatran Nitroso Impurity 3           | VS-N091015 | N/A          |
| 18589 | N-Nitroso Dorzolamide                   | VS-N091016 | N/A          |
| 18590 | N-Nitroso Decyl aminoquat               | VS-N091017 | N/A          |
| 18591 | N-Nitroso Didecylamine                  | VS-N091018 | 69112-95-4   |
| 18592 | N-Nitroso Desmopressin                  | VS-N091019 | N/A          |
| 18593 | Dabigatran Nitrosamine Impurity         | VS-N091020 | N/A          |
| 18594 | Dabigatran Amide Nitroso Impurity       | VS-N091021 | N/A          |
| 18595 | Duloxetine Nitroso Impurity 2           | VS-N091022 | 2680527-91-5 |
| 18596 | N-Nitroso Edoxaban Desmethyl Impurity   | VS-N091023 | N/A          |
| 18597 | Etomidate intermediate Nitroso impurity | VS-N091024 | 2765007-50-7 |
| 18598 | N-Nitroso Edoxaban Impurity 5           | VS-N091025 | N/A          |
| 18599 | Elagolix Ethyl Ester Nitroso Impurity   | VS-N091026 | N/A          |
| 18600 | Elagolix Nitroso Impurity               | VS-N091027 | N/A          |
| 18601 | N-Nitroso Escitalopram EP Impurity D    | VS-N091028 | N/A          |
| 18602 | N-Nitroso Pseudoephedrine               | VS-N091029 | 1850-88-0    |
| 18603 | N-Nitroso Enalapril                     | VS-N091030 | N/A          |
| 18604 | Dinitroso Ethambutol                    | VS-N091031 | 52322-22-2   |
| 18605 | N-Nitroso-Fluoxetine                    | VS-N091032 | 150494-06-7  |
| 18606 | Finerenone Nitroso Impurity             | VS-N091033 | N/A          |
| 18607 | Nitrosoguanidine                        | VS-N091034 | 674-81-7     |
| 18608 | 4-NITROSO HYDROCHLOROTHIAZIDE           | VS-N091035 | 63779-86-2   |
| 18609 | N-NITROSO HYDROXYZINE IMPURITY          | VS-N091036 | 01-04-05     |
| 18610 | N-Nitroso ketamine                      | VS-N091037 | 86144-35-6   |
| 18611 | Lapatinib Nitroso Impurity 1            | VS-N091038 | N/A          |
| 18612 | N-Nitroso linezolid Impurity 1          | VS-N091039 | N/A          |
| 18613 | N-Nitroso-Levofloxacin impurity-1       | VS-N091040 | 1152314-62-9 |
| 18614 | N-Nitroso N-Desbutyl Lumefantrine       | VS-N091041 | N/A          |
| 18615 | Lenalidomide Nitroso Impurity           | VS-N091042 | N/A          |
| 18616 | N-Nitroso Labetolol                     | VS-N091043 | 2820170-74-7 |
| 18617 | N-Nitroso S-Mirabegron                  | VS-N091044 | N/A          |
| 18618 | N-Nitroso Mirabegron                    | VS-N091045 | N/A          |
| 18619 | N-Nitrosomorpholine                     | VS-N091046 | 59-89-2      |
| 18620 | N-Nitroso Methylphenidate               | VS-N091047 | 55557-03-4   |
| 18621 | Metformin Nitroso Impurity              | VS-N091048 | N/A          |
| 18622 | N-nitroso moxifloxacin                  | VS-N091049 | N/A          |
| 18623 | N-Nitrosometoprolol                     | VS-N091050 | 138768-62-4  |
| 18624 | N-Nitroso Niraparib                     | VS-N091051 | NA           |
| 18625 | N-Nitroso Nortriptyline-D3              | VS-N091052 | NA           |
| 18626 | N-Nitroso Nortriptyline                 | VS-N091053 | 55855-42-0   |

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| 18627 | N-Nitroso Nebivolol D4                        | VS-N091054 | NA           |
| 18628 | Nifedipine Nitroso Impurity                   | VS-N091055 | NA           |
| 18629 | Nicardipine Nitroso Impurity                  | VS-N091056 | NA           |
| 18630 | N-Nitroso Nimodipine                          | VS-N091057 | NA           |
| 18631 | N-Nitroso-N-Desmethyl Nicardipine             | VS-N091058 | NA           |
| 18632 | N-Nitroso N-Desbenzyl Nicardipine             | VS-N091059 | NA           |
| 18633 | N-Nitroso-Nebivolol                           | VS-N091060 | 1391051-68-5 |
| 18634 | Palbociclib Nitroso Impurity 1                | VS-N091061 | NA           |
| 18635 | n-nitroso pruclopride impurity A              | VS-N091062 | NA           |
| 18636 | Palbociclib Nitroso Impurity 3                | VS-N091063 | NA           |
| 18637 | Palbociclib Nitroso Impurity 2                | VS-N091064 | NA           |
| 18638 | N-Nitroso Perindopril                         | VS-N091065 | NA           |
| 18639 | N-Nitroso Perindopril IMPURITY B              | VS-N091066 | NA           |
| 18640 | N-Nitroso Promethazine EP Impurity A          | VS-N091067 | 36144-72-6   |
| 18641 | N-Nitroso Paracetamol                         | VS-N091068 | 146897-60-1  |
| 18642 | N-Nitroso Quetiapine EP Impurity B D8         | VS-N091069 | NA           |
| 18643 | Quetiapine Nitroso EP Impurity B              | VS-N091070 | NA           |
| 18644 | N-Nitroso Ramipril                            | VS-N091071 | NA           |
| 18645 | N-Nitroso Rasagiline-D4                       | VS-N091072 | NA           |
| 18646 | Ribociclib Nitroso Impurity 1                 | VS-N091073 | NA           |
| 18647 | Ribociclib Nitroso Impurity 3                 | VS-N091074 | NA           |
| 18648 | Mononitroso Rilpivirine - I                   | VS-N091075 | NA           |
| 18649 | Mononitroso Rilpivirine - II                  | VS-N091076 | NA           |
| 18650 | N-Nitroso-Rasagiline                          | VS-N091077 | 2470278-90-9 |
| 18651 | N-Nitroso Rivaroxaban Open-Ring Acid Impurity | VS-N091078 | NA           |
| 18652 | Rivaroxaban N-Nitroso Amide Impurity          | VS-N091079 | NA           |
| 18653 | N-Nitroso Ranolazine                          | VS-N091080 | NA           |
| 18654 | Sunitinib Nitroso Impurity 1                  | VS-N091081 | NA           |
| 18655 | Sunitinib Nitroso Impurity 2                  | VS-N091082 | NA           |
| 18656 | Sunitinib Nitroso Impurity 3                  | VS-N091083 | NA           |
| 18657 | N-Nitroso Salbutamol                          | VS-N091084 | 2919946-71-5 |
| 18658 | Sitagliptin Nitroso Impurity-D4               | VS-N091085 | NA           |
| 18659 | N-Nitroso-Sertraline                          | VS-N091086 | NA           |
| 18660 | N-Nitroso Sitagliptin Impurity                | VS-N091087 | 2892260-32-9 |
| 18661 | N-Nitroso Trimetazidine                       | VS-N091088 | N/A          |
| 18662 | N-Nitroso Tigecycline                         | VS-N091089 | N/A          |
| 18663 | N-Nitroso Trimetazidine-D9                    | VS-N091090 | N/A          |
| 18664 | N-Nitroso Tamsulosin-D4                       | VS-N091091 | N/A          |
| 18665 | N-Nitroso Tamsulosin Impurity                 | VS-N091092 | 2892260-31-8 |
| 18666 | Vonoprazan Nitroso Impurity                   | VS-N091093 | N/A          |
| 18667 | N -Nitroso valsartan Impurity                 | VS-N091094 | 2254485-68-0 |
| 18668 | Varenicline Nitroso Impurity 1                | VS-N091095 | 2755871-02-2 |
| 18669 | N-Nitroso Vildagliptin                        | VS-N091096 | N/A          |
| 18670 | N-Nitroso-Vildagliptin amide Impurity         | VS-N091097 | N/A          |
| 18671 | N-Nitroso Zanubrutinib                        | VS-N091098 | N/A          |
| 18672 | N-Nitroso N-Desmethyl Zolmitriptan            | VS-N091099 | N/A          |
| 18673 | N-Nitroso-desmethyl Escitalopram              | VS-N091100 | N/A          |



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|-------|-------------------------------------------------------------------------|------------|--------------|
| 18674 | Formoterol intermediate nitroso impurity                                | VS-N091101 | N/A          |
| 18675 | Sertraline Nitroso Impurity                                             | VS-N091102 | N/A          |
| 18676 | N-Nitroso Duloxetine EP Impurity B                                      | VS-N091103 | 2418708-78-6 |
| 18677 | N-Nitroso Vortioxetine Impurity-2                                       | VS-N091104 | N/A          |
| 18678 | N-Nitroso Vortioxetine Impurity-3                                       | VS-N091105 | N/A          |
| 18679 | N-Nitroso Vortioxetine                                                  | VS-N091106 | N/A          |
| 18680 | N-NITROSO OXCARBAZEPINE EP IMPURITY C                                   | VS-N091107 | N/A          |
| 18681 | N-Nitroso Olopatadine N-Desmethyl Impurity                              | VS-N091108 | N/A          |
| 18682 | Obeticholic Acid                                                        | VS-O001000 | 459789-99-2  |
| 18683 | 3 $\alpha$ -hydroxy-7-keto-6 $\alpha$ -ethyl-5 $\beta$ -cholanolic acid | VS-O001001 | 915038-26-5  |
| 18684 | Obeticholic Acid Triol Impurity                                         | VS-O001002 | 1537866-49-1 |
| 18685 | Obeticholic Acid Keto Ester Impurity                                    | VS-O001003 | 2365472-77-9 |
| 18686 | Obeticholic Acid Dimer Impurity                                         | VS-O001004 | N/A          |
| 18687 | Obeticholic Acid Hydroxy Ester Impurity                                 | VS-O001005 | 2365472-79-1 |
| 18688 | Glyco Obeticholic Acid                                                  | VS-O001006 | 863239-60-5  |
| 18689 | Tauro Obeticholic Acid                                                  | VS-O001007 | 863239-61-6  |
| 18690 | Obeticholic Acid-[PEG]-n-Ester                                          | VS-O001008 | N/A          |
| 18691 | Tauro Obeticholic Acid K salt                                           | VS-O001009 | 2276739-30-9 |
| 18692 | Tauro Obeticholic Acid Na salt                                          | VS-O001010 | 2278141-79-8 |
| 18693 | Obeticholic Acid Dimer                                                  | VS-O001011 | 1908444-28-9 |
| 18694 | 6-Vinyl Chenodeoxycholic Acid                                           | VS-O001012 | 1908444-27-8 |
| 18695 | Obeticholic Acid Impurity 1                                             | VS-O001013 | 865244-30-0  |
| 18696 | Obeticholic Acid Impurity 2                                             | VS-O001014 | 1708092-13-0 |
| 18697 | Obeticholic Acid Impurity 3                                             | VS-O001015 | 915038-27-6  |
| 18698 | Obeticholic Acid Impurity 4                                             | VS-O001016 | 1885104-64-2 |
| 18699 | Obeticholic Acid Impurity 5                                             | VS-O001017 | 915038-24-3  |
| 18700 | Ochratoxin A                                                            | VS-O002001 | 303-47-9     |
| 18701 | Octenidine Dihydrochloride                                              | VS-O003001 | 70775-75-6   |
| 18702 | Octenidine Impurity 1                                                   | VS-O003002 | 64690-19-3   |
| 18703 | Octenidine Impurity 2                                                   | VS-O003003 | N/A          |
| 18704 | Octisalate                                                              | VS-O004000 | 118-60-5     |
| 18705 | 2-Ethyl-4-methylpentyl Salicylate                                       | VS-O004001 | 2512211-62-8 |
| 18706 | 2-Methoxy-2-ethylhexyl Benzoate                                         | VS-O004002 | N/A          |
| 18707 | Bis-2-ethylhexyl Ether                                                  | VS-O004003 | 10143-60-9   |
| 18708 | Octisalate Impurity 1                                                   | VS-O004004 | 959067-42-6  |
| 18709 | Octreotide                                                              | VS-O005000 | 83150-76-9   |
| 18710 | N-Acetyl-Lys-Octreotide                                                 | VS-O005001 | 173606-11-6  |
| 18711 | Acetyl-Phe1-Octreotide                                                  | VS-O005002 | N/A          |
| 18712 | Octreotide EP Impurity A                                                | VS-O005003 | 87759-89-5   |
| 18713 | Octreotide EP Impurity B                                                | VS-O005004 | N/A          |
| 18714 | Octreotide EP Impurity C                                                | VS-O005005 | N/A          |
| 18715 | Octreotide EP Impurity E                                                | VS-O005006 | 1546983-27-0 |
| 18716 | Octreotide EP Impurity F                                                | VS-O005007 | N/A          |
| 18717 | Octreotide EP Impurity G                                                | VS-O005008 | 108102-47-2  |
| 18718 | Octreotide EP Impurity H                                                | VS-O005009 | N/A          |
| 18719 | Octreotide EP Impurity I                                                | VS-O005010 | N/A          |
| 18720 | Ofloxacin                                                               | VS-O006000 | 82419-36-1   |

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|-------|------------------------------------------|------------|--------------|
| 18721 | Ofloxacin EP Impurity A                  | VS-0006001 | 82419-35-0   |
| 18722 | Ofloxacin EP Impurity B                  | VS-0006002 | 123155-82-8  |
| 18723 | Ofloxacin EP Impurity C                  | VS-0006003 | 95848-94-5   |
| 18724 | Ofloxacin EP Impurity D                  | VS-0006004 | 197291-75-1  |
| 18725 | Ofloxacin EP Impurity D Ethyl Ester      | VS-0006005 | 2172959-66-7 |
| 18726 | Ofloxacin EP Impurity E                  | VS-0006006 | 82419-52-1   |
| 18727 | Ofloxacin EP Impurity F                  | VS-0006007 | 104721-52-0  |
| 18728 | Ofloxacin Desethylene Impurity           | VS-0006008 | 1797983-25-5 |
| 18729 | Ofloxacin R-Isomer                       | VS-0006009 | 100986-86-5  |
| 18730 | (R)-Ofloxacin Carboxylic Acid            | VS-0006010 | 110548-07-7  |
| 18731 | Ofloxacin Desfluoro Acid                 | VS-0006011 | 56346-18-0   |
| 18732 | Ofloxacin Dihydrooxazole Impurity        | VS-0006012 | 2489671-28-3 |
| 18733 | Ofloxacin Dimer Impurity                 | VS-0006013 | N/A          |
| 18734 | Ofloxacin Ethyl Ester                    | VS-0006014 | 107884-32-2  |
| 18735 | Olanzapine                               | VS-0007000 | 132539-06-1  |
| 18736 | Olanzapine Lactam                        | VS-0007001 | 1017241-34-7 |
| 18737 | Olanzapine Thiolactam                    | VS-0007002 | 1017241-36-9 |
| 18738 | Olanzapine Hydrochloride                 | VS-0007003 | 783334-36-1  |
| 18739 | Olanzapine Amine Impurity                | VS-0007004 | 138564-60-0  |
| 18740 | Olanzapine EP Impurity A                 | VS-0007005 | 138564-59-7  |
| 18741 | Olanzapine EP Impurity B                 | VS-0007006 | 221176-49-4  |
| 18742 | Olanzapine EP Impurity C                 | VS-0007007 | 719300-59-1  |
| 18743 | Olanzapine EP Impurity D                 | VS-0007008 | 174794-02-6  |
| 18744 | Olanzapine Embonate EP Impurity E        | VS-0007009 | N/A          |
| 18745 | Olanzapine Embonate EP Impurity F        | VS-0007010 | N/A          |
| 18746 | Olanzapine N-Formyl Impurity             | VS-0007011 | 639460-79-0  |
| 18747 | N-Desmethyl Olanzapine                   | VS-0007012 | 161696-76-0  |
| 18748 | 2-Amino-5-methyl-3-thiophenecarbonitrile | VS-0007013 | 138564-58-6  |
| 18749 | Olanzapine Amino methanone Impurity      | VS-0007014 | 138564-61-1  |
| 18750 | Olanzapine Open Ring Analogue            | VS-0007015 | 1320360-86-8 |
| 18751 | Olanzapine Acetoxymethylidene            | VS-0007016 | 1320360-87-9 |
| 18752 | Olanzapine Ketothiolactam S-oxide        | VS-0007017 | N/A          |
| 18753 | Olanzapine Impurity 1                    | VS-0007018 | 873895-41-1  |
| 18754 | Olanzapine Impurity 2                    | VS-0007019 | N/A          |
| 18755 | Olanzapine Impurity 3                    | VS-0007020 | N/A          |
| 18756 | Olanzapine Impurity 4                    | VS-0007021 | N/A          |
| 18757 | Olanzapine Impurity 5                    | VS-0007022 | N/A          |
| 18758 | Olanzapine Impurity 6                    | VS-0007023 | N/A          |
| 18759 | Olanzapine Impurity 7                    | VS-0007024 | N/A          |
| 18760 | Olanzapine Impurity 8                    | VS-0007025 | N/A          |
| 18761 | Olanzapine Impurity 9                    | VS-0007026 | N/A          |
| 18762 | Olanzapine Impurity 10                   | VS-0007027 | N/A          |
| 18763 | Olanzapine Impurity 11                   | VS-0007028 | N/A          |
| 18764 | Olanzapine Impurity 12                   | VS-0007029 | N/A          |
| 18765 | Olanzapine Impurity 13                   | VS-0007030 | 1070876-09-3 |
| 18766 | Olanzapine Impurity 14                   | VS-0007031 | 1355034-54-6 |
| 18767 | Olanzapine Impurity 15                   | VS-0007032 | 935272-10-9  |

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|-------|------------------------------------------------------------------------------|------------|--------------|
| 18768 | Olaparib                                                                     | VS-0008000 | 763113-22-0  |
| 18769 | Olaparib Impurity 1                                                          | VS-0008001 | 2514757-44-7 |
| 18770 | Olaparib Impurity 2                                                          | VS-0008002 | 763114-26-7  |
| 18771 | Olaparib Impurity 3                                                          | VS-0008003 | 763111-47-3  |
| 18772 | Olaparib Impurity 4                                                          | VS-0008004 | 2250242-62-5 |
| 18773 | Olaparib Impurity 5                                                          | VS-0008005 | 1983186-05-5 |
| 18774 | Olaparib Impurity 6                                                          | VS-0008006 | N/A          |
| 18775 | Olaparib Impurity 7                                                          | VS-0008007 | 763114-04-1  |
| 18776 | Olaparib Impurity 8                                                          | VS-0008008 | 2415448-60-9 |
| 18777 | Olaparib Impurity 9                                                          | VS-0008009 | 763113-06-0  |
| 18778 | Olaparib Impurity 10                                                         | VS-0008010 | N/A          |
| 18779 | Olaparib Impurity 11                                                         | VS-0008011 | 1460272-52-9 |
| 18780 | Olaparib Impurity 12                                                         | VS-0008012 | N/A          |
| 18781 | Oleic Acid                                                                   | VS-0009000 | 112-80-1     |
| 18782 | Olmesartan Medoxomil                                                         | VS-0010001 | 144689-63-4  |
| 18783 | Olmesartan EP Impurity A                                                     | VS-0010002 | 144689-24-7  |
| 18784 | Olmesartan EP Impurity B                                                     | VS-0010003 | 849206-43-5  |
| 18785 | Olmesartan EP Impurity C                                                     | VS-0010004 | 879562-26-2  |
| 18786 | Olmesartan EP Impurity D                                                     | VS-0010005 | 1020157-01-0 |
| 18787 | Olmesartan Medoxomil Impurity E                                              | VS-0010006 | 1114761-92-0 |
| 18788 | Olmesartan Medoxomil Impurity G                                              | VS-0010007 | 761404-82-4  |
| 18789 | Olmesartan Medoxomil Impurity 1                                              | VS-0010008 | 1392475-91-0 |
| 18790 | Olmesartan Medoxomil Impurity 2                                              | VS-0010009 | 1878117-43-1 |
| 18791 | Olmesartan Medoxomil Impurity 3                                              | VS-0010010 | 1092980-84-1 |
| 18792 | Olmesartan Medoxomil Impurity 4                                              | VS-0010011 | 95579-71-8   |
| 18793 | Olmesartan Medoxomil Impurity 5                                              | VS-0010012 | 144978-05-2  |
| 18794 | Olmesartan Medoxomil Impurity 5 (4-(Chloromethyl)-5-methyl-1,3-Dioxol-2-one) | VS-0010013 | 80841-78-7   |
| 18795 | Olmesartan Ethyl Ester                                                       | VS-0010014 | 144689-23-6  |
| 18796 | Olmesartan Imidazole Diacid Impurity                                         | VS-0010015 | 58954-23-7   |
| 18797 | Olmesartan Imidazole Diethyl Ester Impurity                                  | VS-0010016 | 144689-94-1  |
| 18798 | Olmesartan Imidazole Ethyl Ester Impurity                                    | VS-0010017 | 144689-93-0  |
| 18799 | Olmesartan Dimer Ester                                                       | VS-0010018 | 1040250-19-8 |
| 18800 | Olmesartan Medoxomil Methyl Ether                                            | VS-0010019 | 896419-17-3  |
| 18801 | Olmesartan Methyl Ester                                                      | VS-0010020 | 1347262-29-6 |
| 18802 | Olmesartan Methyl Ether                                                      | VS-0010021 | 1039762-40-7 |
| 18803 | Olmesartan Methyl Ketone                                                     | VS-0010022 | 1227626-45-0 |
| 18804 | Olmesartan N2-Trityl Impurity                                                | VS-0010023 | 752179-89-8  |
| 18805 | Olmesartan Anhydro Acid                                                      | VS-0010024 | 172875-98-8  |
| 18806 | Olmesartan Anhydro Acid Ethyl Ester                                          | VS-0010025 | 172875-87-5  |
| 18807 | Olmesartan Ethyl Ester N2-Trityl Analog                                      | VS-0010026 | 172875-59-1  |
| 18808 | Olmesartan Medoxomil Ethyl Methyl Analog                                     | VS-0010027 | 1378863-74-1 |
| 18809 | N1-Trityl Olmesartan Medoxomil                                               | VS-0010028 | 144690-92-6  |
| 18810 | Olmesartan medoxomil Butyl Impurity                                          | VS-0010029 | 144689-78-1  |
| 18811 | Olmesartan Ethyl Ester Trityl Impurity                                       | VS-0010030 | 144690-33-5  |
| 18812 | Olmesartan Dimer Impurity                                                    | VS-0010031 | N/A          |

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|-------|------------------------------------------------------------------------------------|------------|--------------|
| 18813 | Olmesartan Impurity (N-(Triphenylmethyl)-5-(4'-bromomethylbiphenyl-2-yl)tetrazole) | VS-0010032 | 124750-51-2  |
| 18814 | Olmesartan Impurity (Methyl Triphenylmethyl Ether)                                 | VS-0010033 | 596-31-6     |
| 18815 | Olmesartan TTMB Impurity                                                           | VS-0010034 | 124750-53-4  |
| 18816 | Olmesartan N1-Trityl Impurity                                                      | VS-0010035 | 761404-85-7  |
| 18817 | Olmesartan medoxomil Cyclic impurity N2-Trityl                                     | VS-0010036 | 1048948-15-7 |
| 18818 | Trityl Azide                                                                       | VS-0010037 | 14309-25-2   |
| 18819 | Olmesartan KSM-II Destrityl Impurity                                               | VS-0010038 | 138402-33-2  |
| 18820 | Olmesartan Impurity 1                                                              | VS-0010039 | 1219207-91-6 |
| 18821 | Olmesartan Impurity 2                                                              | VS-0010040 | 358685-13-9  |
| 18822 | Olmesartan Impurity 3                                                              | VS-0010041 | 172875-53-5  |
| 18823 | Olmesartan Impurity 4                                                              | VS-0010042 | 1443544-27-1 |
| 18824 | Olmesartan Impurity 5                                                              | VS-0010043 | N/A          |
| 18825 | Olmesartan Impurity 6                                                              | VS-0010044 | 144690-07-3  |
| 18826 | Olmesartan Impurity 7                                                              | VS-0010045 | 157356-73-5  |
| 18827 | Olmesartan Impurity 8                                                              | VS-0010046 | 116857-04-6  |
| 18828 | Olmesartan Impurity 9                                                              | VS-0010047 | 116857-05-7  |
| 18829 | Olmesartan Impurity 10                                                             | VS-0010048 | 4437-70-1    |
| 18830 | Olmesartan Impurity 11                                                             | VS-0010049 | N/A          |
| 18831 | Olmesartan Impurity 12                                                             | VS-0010050 | N/A          |
| 18832 | Olmesartan Impurity 13                                                             | VS-0010051 | 159532-62-4  |
| 18833 | Olmesartan Impurity 14                                                             | VS-0010052 | 1378863-69-4 |
| 18834 | Olmesartan Impurity 15                                                             | VS-0010053 | 1378863-72-9 |
| 18835 | Olmesartan Impurity 16                                                             | VS-0010054 | N/A          |
| 18836 | Olmesartan Impurity 17                                                             | VS-0010055 | N/A          |
| 18837 | Olmesartan Impurity 18                                                             | VS-0010056 | N/A          |
| 18838 | Olmesartan Impurity 19                                                             | VS-0010057 | N/A          |
| 18839 | Olmesartan Impurity 20                                                             | VS-0010058 | 143618-44-4  |
| 18840 | Olmesartan Impurity 21                                                             | VS-0010059 | N/A          |
| 18841 | Olmesartan Impurity 22                                                             | VS-0010060 | N/A          |
| 18842 | Olmesartan Impurity 23                                                             | VS-0010061 | 2243064-11-9 |
| 18843 | Olmesartan Impurity 24                                                             | VS-0010062 | N/A          |
| 18844 | Olmesartan Impurity 25                                                             | VS-0010063 | N/A          |
| 18845 | Olmesartan Impurity 26                                                             | VS-0010064 | N/A          |
| 18846 | Olmesartan Impurity 27                                                             | VS-0010065 | N/A          |
| 18847 | Olmesartan Impurity 28                                                             | VS-0010066 | N/A          |
| 18848 | Olmesartan Impurity 29                                                             | VS-0010067 | N/A          |
| 18849 | Olmesartan Impurity 30                                                             | VS-0010068 | N/A          |
| 18850 | Olmesartan Impurity 31                                                             | VS-0010069 | N/A          |
| 18851 | Olmesartan Impurity 32                                                             | VS-0010070 | N/A          |
| 18852 | Olmesartan Impurity 33                                                             | VS-0010071 | N/A          |
| 18853 | Olmesartan Impurity 34                                                             | VS-0010072 | N/A          |
| 18854 | Olmesartan Impurity 35                                                             | VS-0010073 | N/A          |
| 18855 | Olmesartan Impurity 36                                                             | VS-0010074 | 1418133-32-0 |
| 18856 | cis-4,5-Dichloro-4,5-dimethyl-1,3-dioxolan-2-one                                   | VS-0010075 | 129482-56-0  |
| 18857 | Nitroso Olmesartan                                                                 | VS-0010076 | N/A          |
| 18858 | Olopatadine                                                                        | VS-0011000 | 113806-05-6  |

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|-------|-----------------------------------------------------------|------------|--------------|
| 18859 | Olopatadine Hydrochloride                                 | VS-0011001 | 140462-76-6  |
| 18860 | Olopatadine USP Related Compound A                        | VS-0011002 | 1331822-32-2 |
| 18861 | Olopatadine USP Related Compound A (TFA salt)             | VS-0011003 | N/A          |
| 18862 | Olopatadine USP Related Compound B                        | VS-0011004 | 173174-07-7  |
| 18863 | Olopatadine USP Related Compound C                        | VS-0011005 | 55453-87-7   |
| 18864 | Olopatadine Hydroxyethyl Impurity                         | VS-0011006 | 113835-76-0  |
| 18865 | Olopatadine Methyl Ester                                  | VS-0011007 | 113806-01-2  |
| 18866 | Olopatadine N-Desmethyl Impurity                          | VS-0011008 | 113835-92-0  |
| 18867 | Olopatadine (E)-Isomer                                    | VS-0011009 | 113806-06-7  |
| 18868 | Olopatadine Carbaldehyde Impurity                         | VS-0011010 | 2519517-77-0 |
| 18869 | (E)-Olopatadine                                           | VS-0011011 | 1032086-61-5 |
| 18870 | Olopatadine Acetaldehyde impurity                         | VS-0011012 | 1376615-97-2 |
| 18871 | alpha-Hydroxy Olopatadine                                 | VS-0011013 | 1628639-06-4 |
| 18872 | Olopatadine Impurity 1                                    | VS-0011014 | 1206456-44-1 |
| 18873 | Olopatadine Impurity 2                                    | VS-0011015 | 949141-21-3  |
| 18874 | N-Nitroso Olopatadine N-Desmethyl Impurity                | VS-0011016 | NA           |
| 18875 | Omadacycline                                              | VS-0012000 | 389139-89-3  |
| 18876 | Omeprazole                                                | VS-0013000 | 73590-58-6   |
| 18877 | Omeprazole Sodium                                         | VS-0013001 | 95510-70-6   |
| 18878 | Omeprazole EP Impurity A                                  | VS-0013002 | 37052-78-1   |
| 18879 | Omeprazole EP Impurity B                                  | VS-0013003 | 110374-16-8  |
| 18880 | Omeprazole EP Impurity C                                  | VS-0013004 | 73590-85-9   |
| 18881 | Omeprazole EP Impurity D                                  | VS-0013005 | 88546-55-8   |
| 18882 | Omeprazole EP Impurity E                                  | VS-0013006 | 176219-04-8  |
| 18883 | Omeprazole EP Impurity F                                  | VS-0013007 | 125656-82-8  |
| 18884 | Omeprazole EP Impurity G                                  | VS-0013008 | 125656-83-9  |
| 18885 | Omeprazole EP Impurity F and G Mixture                    | VS-0013009 | N/A          |
| 18886 | Omeprazole EP Impurity H                                  | VS-0013010 | 863029-89-4  |
| 18887 | Omeprazole EP Impurity I                                  | VS-0013011 | 158812-85-2  |
| 18888 | Omeprazole EP Impurity XI                                 | VS-0013012 | 86604-75-3   |
| 18889 | Omeprazole N-Methyl 5-Methoxy Analog                      | VS-0013013 | 89352-76-1   |
| 18890 | Omeprazole N-Methyl 6-Methoxy Analog                      | VS-0013014 | 784143-42-6  |
| 18891 | Omeprazole Pyridone Acid Sodium Salt                      | VS-0013015 | N/A          |
| 18892 | Omeprazole 4-Desmethyl Impurity                           | VS-0013016 | 301669-82-9  |
| 18893 | Omeprazole N1-Methyl 5-Methoxy Thiol Impurity             | VS-0013017 | N/A          |
| 18894 | Omeprazole N1-Methyl 6-Methoxy Thiol Impurity             | VS-0013018 | N/A          |
| 18895 | Omeprazole Sulfide N1-Methyl 5-Methoxy Analog             | VS-0013019 | 2243644-60-0 |
| 18896 | Omeprazole S-Isomer                                       | VS-0013020 | 119141-88-7  |
| 18897 | Mixture of N-Methyl 5-Methoxy & N-Methyl 6-Methoxy Analog | VS-0013021 | N/A          |
| 18898 | (R) Omeprazole Potassium Salt                             | VS-0013022 | 161796-81-2  |
| 18899 | (R) Omeprazole Sodium Salt                                | VS-0013023 | 161796-77-6  |
| 18900 | Omeprazole Hydroxymethyl Impurity                         | VS-0013024 | 96300-88-8   |
| 18901 | 4-Desmethoxy Omeprazole Sulfide                           | VS-0013025 | 704910-89-4  |
| 18902 | Bis-Desmethoxy Omeprazole Sulfide                         | VS-0013026 | 704910-94-1  |
| 18903 | 4-Desmethoxy-4-chloro Omeprazole Sulfide                  | VS-0013027 | 220757-74-4  |
| 18904 | Omeprazole Dimer Impurity                                 | VS-0013028 | N/A          |
| 18905 | Desulfoxide 4-Desmethyl Omeprazole                        | VS-0013029 | 1384163-92-1 |

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| 18906 | 4-Hydroxy Omeprazole Sulfide                                                        | VS-0013030 | 103876-98-8  |
| 18907 | (R)-Omeprazole                                                                      | VS-0013031 | 119141-89-8  |
| 18908 | Omeprazole Magnesium                                                                | VS-0013032 | 95382-33-5   |
| 18909 | Omeprazole Impurity 2                                                               | VS-0013033 | N/A          |
| 18910 | Omeprazole Impurity 3                                                               | VS-0013034 | N/A          |
| 18911 | Omeprazole Impurity 4                                                               | VS-0013035 | N/A          |
| 18912 | Omeprazole Impurity 5                                                               | VS-0013036 | 73590-87-1   |
| 18913 | Omeprazole Impurity 6                                                               | VS-0013037 | N/A          |
| 18914 | Omeprazole Impurity 7                                                               | VS-0013038 | 1346649-67-9 |
| 18915 | Omeprazole Impurity 8                                                               | VS-0013039 | N/A          |
| 18916 | Omeprazole Impurity 9                                                               | VS-0013040 | N/A          |
| 18917 | Omeprazole Impurity 10                                                              | VS-0013041 | 14248-66-9   |
| 18918 | Omeprazole Impurity 11                                                              | VS-0013042 | N/A          |
| 18919 | Omeprazole Impurity 12                                                              | VS-0013043 | N/A          |
| 18920 | Omeprazole Impurity 13                                                              | VS-0013044 | 1346600-29-0 |
| 18921 | Omeprazole sulfide N-Oxide                                                          | VS-0013045 | 142885-92-5  |
| 18922 | Omeprazole N-Methyl Impurity                                                        | VS-0013046 | N/A          |
| 18923 | Omeprazole Hydrolysis Impurity                                                      | VS-0013047 | 1227380-90-6 |
| 18924 | Omeprazole Impurity 14                                                              | VS-0013048 | N/A          |
| 18925 | Omeprazole Impurity 15                                                              | VS-0013049 | N/A          |
| 18926 | Omeprazole Impurity 16                                                              | VS-0013050 | 187222-13-5  |
| 18927 | Omeprazole Impurity 17                                                              | VS-0013051 | 2451927-87-8 |
| 18928 | Omeprazole Impurity 18                                                              | VS-0013052 | NA           |
| 18929 | Omeprazole Impurity 19                                                              | VS-0013053 | 1346240-11-6 |
| 18930 | Omeprazole Impurity 20                                                              | VS-0013054 | N/A          |
| 18931 | 4-Methoxy-3,5-dimethylpyridine 1-Oxide                                              | VS-0013055 | 91219-89-5   |
| 18932 | Omeprazole Impurity 21                                                              | VS-0013056 | 220771-03-9  |
| 18933 | N-Methyl Omeprazole (Mixture Of Isomers With The Methylated Nitrogens Of Imidazole) | VS-0013057 | NA           |
| 18934 | Ondansetron hydrochloride dihydrate                                                 | VS-0014001 | 103639-04-9  |
| 18935 | Ondansetron EP Impurity A                                                           | VS-0014002 | 153139-56-1  |
| 18936 | Ondansetron EP Impurity A (HCl)                                                     | VS-0014003 | 119812-29-2  |
| 18937 | Ondansetron EP Impurity B                                                           | VS-0014004 | 1076198-52-1 |
| 18938 | Ondansetron EP Impurity C                                                           | VS-0014005 | 27387-31-1   |
| 18939 | Ondansetron EP Impurity D                                                           | VS-0014006 | 99614-64-9   |
| 18940 | Ondansetron EP Impurity F                                                           | VS-0014007 | 693-98-1     |
| 18941 | Ondansetron EP Impurity G                                                           | VS-0014008 | 99614-03-6   |
| 18942 | Ondansetron EP Impurity H                                                           | VS-0014009 | 99614-14-9   |
| 18943 | Ondansetron Homo Impurity                                                           | VS-0014010 | N/A          |
| 18944 | Ondansetron Impurity 1                                                              | VS-0014011 | 68890-19-7   |
| 18945 | Ondansetron Impurity 2                                                              | VS-0014012 | 154712-79-5  |
| 18946 | Ondansetron                                                                         | VS-0014013 | 99614-02-5   |
| 18947 | Ondansetron EP Impurity E                                                           | VS-0014014 | 288-32-4     |
| 18948 | Orbifloxacin                                                                        | VS-0015000 | 113617-63-3  |
| 18949 | Orbifloxacin EP Impurity A                                                          | VS-0015001 | N/A          |
| 18950 | Orbifloxacin EP Impurity B                                                          | VS-0015002 | N/A          |
| 18951 | Orbifloxacin EP Impurity C                                                          | VS-0015003 | 126457-99-6  |

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| 18952 | Orbifloxacin EP Impurity D           | VS-0015004 | 126458-22-8  |
| 18953 | Orbifloxacin EP Impurity E           | VS-0015005 | N/A          |
| 18954 | Orbifloxacin EP Impurity F           | VS-0015006 | 106890-70-4  |
| 18955 | Orbifloxacin EP Impurity G           | VS-0015007 | 166323-26-8  |
| 18956 | Orciprenaline                        | VS-0016000 | 586-06-1     |
| 18957 | Orciprenaline EP Impurity A          | VS-0016001 | 70988-89-5   |
| 18958 | Orciprenaline EP Impurity B          | VS-0016002 | 94200-14-3   |
| 18959 | Orciprenaline EP Impurity C          | VS-0016003 | N/A          |
| 18960 | Oritavancin Diphosphate              | VS-0017001 | 192564-14-0  |
| 18961 | Eremomycin                           | VS-0017002 | 110865-90-2  |
| 18962 | Chloroorienticin A                   | VS-0017003 | 118395-73-6  |
| 18963 | Chloroorienticin B                   | VS-0017004 | 118373-81-2  |
| 18964 | Chloroorienticin C                   | VS-0017005 | 118373-82-3  |
| 18965 | Dechloroeremomycin                   | VS-0017006 | 112848-47-2  |
| 18966 | Oritavancin Nucleus Factor D         | VS-0017007 | N/A          |
| 18967 | Oritavancin Alkylated Factor A       | VS-0017008 | 354123-19-6  |
| 18968 | Oritavancin Alkylated Factor C       | VS-0017009 | N/A          |
| 18969 | Oritavancin Alkylated Factor D       | VS-0017010 | N/A          |
| 18970 | Des Methyl Oritavancin               | VS-0017011 | N/A          |
| 18971 | Oritavancin methyl ester             | VS-0017012 | 2280037-19-4 |
| 18972 | Oritavancin Related Substances E/G   | VS-0017013 | N/A          |
| 18973 | 4-Chloro-4'-Biphenyl-Epi-Vancosamine | VS-0017014 | N/A          |
| 18974 | Des N-Methyl Leucine                 | VS-0017015 | 216382-10-4  |
| 18975 | Oritavancin F                        | VS-0017016 | N/A          |
| 18976 | Oritavancin CR                       | VS-0017017 | 808758-23-8  |
| 18977 | Oritavancin Impurity 1               | VS-0017018 | N/A          |
| 18978 | Oritavancin Impurity 2               | VS-0017019 | N/A          |
| 18979 | Oritavancin Impurity 3               | VS-0017020 | 179530-90-6  |
| 18980 | Oritavancin Impurity 4               | VS-0017021 | 179530-89-3  |
| 18981 | Oritavancin Impurity 5               | VS-0017022 | N/A          |
| 18982 | Oritavancin Impurity 6               | VS-0017023 | 179530-91-7  |
| 18983 | Orlistat                             | VS-0018000 | 96829-58-2   |
| 18984 | Orlistat USP Related Compound A      | VS-0018001 | 104872-06-2  |
| 18985 | Orlistat USP Related Compound B      | VS-0018002 | 19740-72-8   |
| 18986 | Orlistat USP Related Compound C      | VS-0018003 | 791-28-6     |
| 18987 | Orlistat USP Related Compound D      | VS-0018004 | 130793-27-0  |
| 18988 | Orlistat USP Related Compound E      | VS-0018005 | 1072902-75-0 |
| 18989 | Orlistat Formyl Impurity             | VS-0018006 | 6113-61-7    |
| 18990 | (R,S,S,S)-Orlistat                   | VS-0018007 | 104872-28-8  |
| 18991 | Orlistat Open Ring Epimer            | VS-0018008 | 130793-28-1  |
| 18992 | N-Formyl-L-leucine Orlistat          | VS-0018009 | 130676-63-0  |
| 18993 | Orlistat Dihydropyranone Impurity    | VS-0018010 | 130676-64-1  |
| 18994 | Orlistat Delactone                   | VS-0018011 | N/A          |
| 18995 | (S,S,R,R)-Orlistat                   | VS-0018012 | 111466-62-7  |
| 18996 | Orlistat Tetradecyl Ester            | VS-0018013 | 686744-60-5  |
| 18997 | Orlistat Open Ring Amide             | VS-0018014 | N/A          |
| 18998 | Orlistat Impurity 1                  | VS-0018015 | 130676-66-3  |

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|-------|---------------------------------------------------|------------|--------------|
| 18999 | Orlistat Impurity 2                               | VS-0018016 | 130676-65-2  |
| 19000 | Orlistat Impurity 3                               | VS-0018017 | N/A          |
| 19001 | Orlistat Impurity 4                               | VS-0018018 | N/A          |
| 19002 | Orlistat Impurity 5                               | VS-0018019 | 130793-26-9  |
| 19003 | Orlistat Impurity 6                               | VS-0018020 | N/A          |
| 19004 | Orlistat Impurity 7                               | VS-0018021 | N/A          |
| 19005 | Methyl Orlistat                                   | VS-0018022 | 1119226-56-0 |
| 19006 | N-Nitroso Orlistat                                | VS-0018023 | N/A          |
| 19007 | Ormeloxifene                                      | VS-0019000 | 31477-60-8   |
| 19008 | Ormeloxifene Hydrochloride                        | VS-0019001 | 51023-56-4   |
| 19009 | levo-Ormeloxifene                                 | VS-0019002 | 79386-05-3   |
| 19010 | D-Ormeloxifene                                    | VS-0019003 | 78994-25-9   |
| 19011 | Levo-ormeloxifene                                 | VS-0019004 | 78994-23-7   |
| 19012 | 7-desmethyl centcroman                            | VS-0019005 | 84394-36-5   |
| 19013 | cis-Ormeloxifene Hydrochloride                    | VS-0019006 | 51423-19-9   |
| 19014 | Ornidazole                                        | VS-0020000 | 16773-42-5   |
| 19015 | Ornidazole Isomer                                 | VS-0020001 | 14419-11-5   |
| 19016 | Ornidazole Impurity A                             | VS-0020002 | 62580-80-7   |
| 19017 | Ornidazole Impurity B                             | VS-0020003 | 696-23-1     |
| 19018 | Eflornithine                                      | VS-0021001 | 70052-12-9   |
| 19019 | L-Ornithine HCl                                   | VS-0021002 | 3184-13-2    |
| 19020 | Ornithine-1,5-Lactam                              | VS-0021003 | 34294-79-6   |
| 19021 | L-Ornithine Dimer                                 | VS-0021004 | 195868-13-4  |
| 19022 | Boc-L-Ornithine Methyl Ester HCl                  | VS-0021005 | 78397-39-4   |
| 19023 | N-Methyleflornithine (Mixture of Isomers)         | VS-0021006 | N/A          |
| 19024 | (S)-Eflornithine                                  | VS-0021007 | 66640-93-5   |
| 19025 | (R)-Eflornithine                                  | VS-0021008 | 103957-16-0  |
| 19026 | L-Ornithine Related Compound 1                    | VS-0021009 | 2480-95-7    |
| 19027 | L-Ornithine L-Aspartate Impurity 1 (H-Orn-Asp-OH) | VS-0021010 | 7327-72-2    |
| 19028 | L-Ornithine L-Aspartate Impurity 2 (H-Asp-Orn-OH) | VS-0021011 | 14169-16-5   |
| 19029 | L-Ornithine L-Aspartate Impurity 3                | VS-0021012 | 886996-37-8  |
| 19030 | L-Ornithine L-Aspartate Impurity 4                | VS-0021013 | 1174925-92-8 |
| 19031 | L-Ornithine L-Aspartate Impurity 5                | VS-0021014 | N/A          |
| 19032 | L-Ornithine L-Aspartate Impurity 6                | VS-0021015 | 263860-58-8  |
| 19033 | L-Ornithine L-Aspartate Impurity 7                | VS-0021016 | N/A          |
| 19034 | L-Ornithine L-Aspartate Impurity 8                | VS-0021017 | 3230-94-2    |
| 19035 | Orphenadrine                                      | VS-0022000 | 83-98-7      |
| 19036 | Orphenadrine Hydrochloride                        | VS-0022001 | 341-69-5     |
| 19037 | Orphenadrine EP Impurity A                        | VS-0022002 | 5472-13-9    |
| 19038 | Orphenadrine EP Impurity B                        | VS-0022003 | 131-58-8     |
| 19039 | Orphenadrine USP Related Compound B               | VS-0022004 | 93940-17-1   |
| 19040 | Orphenadrine EP Impurity C                        | VS-0022005 | 17349-96-1   |
| 19041 | Orphenadrine EP Impurity D                        | VS-0022006 | 58-73-1      |
| 19042 | Orphenadrine EP Impurity E                        | VS-0022007 | 21945-86-8   |
| 19043 | Orphenadrine EP Impurity F                        | VS-0022008 | N/A          |
| 19044 | Orphenadrine Citrate                              | VS-0022009 | 4682-36-4    |
| 19045 | Orphenadrine N-Oxide                              | VS-0022010 | 29215-00-7   |



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| 19046 | Demethyl Orphenadrine              | VS-0022011 | 15301-93-6   |
| 19047 | Orphenadrine Nitroso Impurity      | VS-0022012 | NA           |
| 19048 | Oseltamivir Phosphate              | VS-0023001 | 204255-11-8  |
| 19049 | Oseltamivir EP Impurity A          | VS-0023002 | 1364932-19-3 |
| 19050 | Oseltamivir EP Impurity B          | VS-0023003 | N/A          |
| 19051 | Oseltamivir EP Impurity C          | VS-0023004 | 187227-45-8  |
| 19052 | Oseltamivir EP Impurity D          | VS-0023005 | 1346604-18-9 |
| 19053 | Oseltamivir EP Impurity E          | VS-0023006 | 208720-71-2  |
| 19054 | Oseltamivir EP Impurity G          | VS-0023007 | 956267-10-0  |
| 19055 | Oseltamivir EP Impurity F          | VS-0023008 | 1052063-37-2 |
| 19056 | Oseltamivir EP Impurity H          | VS-0023009 | 814-29-9     |
| 19057 | 5-Azido Oseltamivir                | VS-0023010 | 204255-06-1  |
| 19058 | Oseltamivir Citric acid Adduct     | VS-0023011 | N/A          |
| 19059 | Oseltamivir Citric Acid Adduct-2   | VS-0023012 | N/A          |
| 19060 | Oseltamavir Diamine Impurity       | VS-0023013 | 212504-89-7  |
| 19061 | Oseltamivir RSS Isomer             | VS-0023014 | 2413185-97-2 |
| 19062 | Oseltamivir RSR Isomer             | VS-0023015 | 2413185-98-3 |
| 19063 | Oseltamivir RRR Isomer             | VS-0023016 | 2413185-96-1 |
| 19064 | Oseltamavir Citric Acid Adduct Mix | VS-0023017 | N/A          |
| 19065 | Oseltamivir Glucose Adduct-1       | VS-0023018 | N/A          |
| 19066 | Oseltamivir Fructose Adduct-1      | VS-0023019 | N/A          |
| 19067 | Oseltamivir Fructose Adduct-2      | VS-0023020 | N/A          |
| 19068 | Oseltamivir Glucose Adduct-2       | VS-0023021 | N/A          |
| 19069 | Oseltamivir Impurity 1             | VS-0023022 | N/A          |
| 19070 | Oseltamivir Impurity 3             | VS-0023023 | N/A          |
| 19071 | Oseltamivir Impurity 4             | VS-0023024 | N/A          |
| 19072 | Oseltamivir Impurity 5             | VS-0023025 | N/A          |
| 19073 | Oseltamivir Impurity 6             | VS-0023026 | 651324-04-8  |
| 19074 | Oseltamivir Impurity 7             | VS-0023027 | N/A          |
| 19075 | Oseltamivir Impurity 8             | VS-0023028 | 204254-96-6  |
| 19076 | Oseltamivir Impurity 9             | VS-0023029 | N/A          |
| 19077 | Oseltamivir Impurity 10            | VS-0023030 | N/A          |
| 19078 | Oseltamivir Impurity 11            | VS-0023031 | 1266663-89-1 |
| 19079 | Oseltamivir Impurity 12            | VS-0023032 | 2413185-89-2 |
| 19080 | Oseltamivir Impurity 13            | VS-0023033 | 2413185-88-1 |
| 19081 | Oseltamivir Impurity 14            | VS-0023034 | 2417645-75-9 |
| 19082 | Oseltamivir Impurity 15            | VS-0023035 | 651324-06-0  |
| 19083 | Oseltamivir Impurity 16            | VS-0023036 | 651324-07-1  |
| 19084 | Oseltamivir Impurity 17            | VS-0023037 | 1151665-78-9 |
| 19085 | Oseltamivir Impurity 18            | VS-0023038 | N/A          |
| 19086 | Oseltamivir Impurity 19            | VS-0023039 | N/A          |
| 19087 | Oseltamivir Impurity 20            | VS-0023040 | 651324-08-2  |
| 19088 | Oseltamivir Impurity 21            | VS-0023041 | 347378-74-9  |
| 19089 | Oseltamivir Impurity 22            | VS-0023042 | N/A          |
| 19090 | Oseltamivir Impurity 23            | VS-0023043 | 1035895-88-5 |
| 19091 | Oseltamivir Impurity 24            | VS-0023044 | N/A          |
| 19092 | Oseltamivir Impurity 25            | VS-0023045 | N/A          |

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| 19093 | Oseltamivir Impurity 26                  | VS-0023046 | N/A          |
| 19094 | Oseltamivir Impurity 27                  | VS-0023047 | N/A          |
| 19095 | Oseltamivir Impurity 28                  | VS-0023048 | 2413185-95-0 |
| 19096 | Oseltamivir Impurity 29                  | VS-0023049 | 2081110-44-1 |
| 19097 | Oseltamivir Impurity 26                  | VS-0023050 | N/A          |
| 19098 | Oseltamivir Impurity 27                  | VS-0023051 | N/A          |
| 19099 | Oseltamivir Impurity 28                  | VS-0023052 | 204254-98-8  |
| 19100 | N-Desacetyl 5-Azido Oseltamivir          | VS-0023053 | 204255-04-9  |
| 19101 | Oseltamivir Impurity 29                  | VS-0023054 | 204255-02-7  |
| 19102 | Oseltamivir Nitroso Impurity 1           | VS-0023055 | NA           |
| 19103 | Oseltamivir Impurity 30                  | VS-0023056 | NA           |
| 19104 | Oseltamivir                              | VS-0023057 | 196618-13-0  |
| 19105 | Osimertinib                              | VS-0024000 | 1421373-65-0 |
| 19106 | Osimertinib Impurity A                   | VS-0024001 | 1421373-98-9 |
| 19107 | Osimertinib Impurity G                   | VS-0024002 | 2044702-39-6 |
| 19108 | Osimertinib Impurity I                   | VS-0024003 | 2044702-55-6 |
| 19109 | Osimertinib Impurity J                   | VS-0024004 | 1820891-36-8 |
| 19110 | Osimertinib Impurity L                   | VS-0024005 | 2411395-22-5 |
| 19111 | Osimertinib Impurity M                   | VS-0024006 | 1975982-94-5 |
| 19112 | Osimertinib Impurity N                   | VS-0024007 | 1932710-29-6 |
| 19113 | Osimertinib Impurity Q                   | VS-0024008 | 2411395-23-6 |
| 19114 | Osimertinib Amine Impurity               | VS-0024009 | N/A          |
| 19115 | Osimertinib N- methylacrylamide impurity | VS-0024010 | N/A          |
| 19116 | Osimertinib Methoxy Impurity             | VS-0024011 | N/A          |
| 19117 | Osimertinib Mesylate                     | VS-0024012 | 1421373-66-1 |
| 19118 | Osimertinib 2-Amide Impurity             | VS-0024013 | 2213409-62-0 |
| 19119 | Osimertinib Acetyl Impurity              | VS-0024014 | 2227103-37-7 |
| 19120 | Osimertinib Dimer 1                      | VS-0024015 | N/A          |
| 19121 | Osimertinib Dimer 2                      | VS-0024016 | N/A          |
| 19122 | Osimertinib Dimer 3                      | VS-0024017 | N/A          |
| 19123 | Osimertinib Impurity 1                   | VS-0024018 | 1009298-59-2 |
| 19124 | Osimertinib Impurity 2                   | VS-0024019 | N/A          |
| 19125 | Osimertinib Impurity 3                   | VS-0024020 | 1421373-99-0 |
| 19126 | Osimertinib Impurity 4                   | VS-0024021 | N/A          |
| 19127 | Osimertinib Impurity 5                   | VS-0024022 | N/A          |
| 19128 | Osimertinib Impurity 6                   | VS-0024023 | N/A          |
| 19129 | Osimertinib N-Oxide                      | VS-0024024 | N/A          |
| 19130 | Otilonium Bromide                        | VS-0025000 | 26095-59-0   |
| 19131 | Otilonium Bromide Impurity 1             | VS-0025001 | 26090-29-9   |
| 19132 | Otilonium Bromide Impurity 2             | VS-0025002 | 1007652-84-7 |
| 19133 | Otilonium Bromide Impurity 3             | VS-0025003 | 14629-01-7   |
| 19134 | Otilonium Bromide Impurity 4             | VS-0025004 | 51444-79-2   |
| 19135 | Oxaliplatin                              | VS-0026000 | 61825-94-3   |
| 19136 | Oxaliplatin EP Impurity A                | VS-0026001 | 144-62-7     |
| 19137 | Oxaliplatin EP Impurity B                | VS-0026002 | 89955-85-1   |
| 19138 | Oxaliplatin USP Related Compound B       | VS-0026003 | 66900-68-3   |
| 19139 | Oxaliplatin EP Impurity C                | VS-0026004 | 111321-67-6  |

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| 19140 | Oxaliplatin EP Impurity D              | VS-0026005 | 111263-58-2  |
| 19141 | Oxaliplatin USP Related Compound D     | VS-0026006 | 61758-77-8   |
| 19142 | Oxaliplatin EP Impurity E (Freebase)   | VS-0026007 | N/A          |
| 19143 | Oxaliplatin EP Impurity E              | VS-0026008 | 82398-34-3   |
| 19144 | Oxaliplatin System Suitability         | VS-0026009 | 61848-66-6   |
| 19145 | Oxaprozin                              | VS-0027000 | 21256-18-8   |
| 19146 | Oxaprozin Amide                        | VS-0027001 | 24248-49-5   |
| 19147 | Imiprozine                             | VS-0027002 | 55217-15-7   |
| 19148 | Bioxazole                              | VS-0027003 | N/A          |
| 19149 | Benzil                                 | VS-0027004 | 134-81-6     |
| 19150 | 2,3,5,6 Tetra phenyl Pyrazine          | VS-0027005 | 642-04-6     |
| 19151 | Bisoxazole                             | VS-0027006 | 474353-08-7  |
| 19152 | Oxcarbazepine                          | VS-0028000 | 28721-07-5   |
| 19153 | Oxcarbazepine EP Impurity A            | VS-0028001 | 298-46-4     |
| 19154 | Oxcarbazepine EP Impurity B            | VS-0028002 | 28721-09-7   |
| 19155 | Oxcarbazepine EP Impurity C            | VS-0028003 | 21737-58-6   |
| 19156 | Oxcarbazepine Related Compound C       | VS-0028004 | 578-95-0     |
| 19157 | Oxcarbazepine EP Impurity D            | VS-0028005 | 19579-83-0   |
| 19158 | Oxcarbazepine EP Impurity E            | VS-0028006 | 256-96-2     |
| 19159 | Oxcarbazepine EP Impurity F            | VS-0028007 | 28721-08-6   |
| 19160 | Oxcarbazepine EP Impurity G            | VS-0028008 | 15882-79-8   |
| 19161 | Oxcarbazepine EP Impurity H            | VS-0028009 | 07-11-98     |
| 19162 | Oxcarbazepine EP Impurity I            | VS-0028010 | 537693-29-1  |
| 19163 | Oxcarbazepine EP Impurity K            | VS-0028011 | 1346601-76-0 |
| 19164 | Oxcarbazepine EP Impurity L            | VS-0028012 | 2642430-28-0 |
| 19165 | Oxcarbazepine EP Impurity M            | VS-0028013 | N/A          |
| 19166 | N-Carbamoyl Oxcarbazepine              | VS-0028014 | N/A          |
| 19167 | Oxcarbazepine Acridine Carboxylic Acid | VS-0028015 | 332927-03-4  |
| 19168 | Oxcarbazepine Dimer                    | VS-0028016 | N/A          |
| 19169 | Carbamazepine 10,11-Epoxy              | VS-0028017 | 36507-30-9   |
| 19170 | Oxcarbazepine Impurity 1               | VS-0028018 | 33948-20-8   |
| 19171 | Oxcarbazepine Impurity 2               | VS-0028019 | 2512216-68-9 |
| 19172 | Oxcarbazepine Impurity 3               | VS-0028020 | 53003-61-5   |
| 19173 | Oxcarbazepine Impurity 4               | VS-0028021 | 143667-53-2  |
| 19174 | Oxcarbazepine Impurity 5               | VS-0028022 | 143667-54-3  |
| 19175 | Oxcarbazepine Impurity 6               | VS-0028023 | N/A          |
| 19176 | Oxcarbazepine Impurity 7               | VS-0028024 | N/A          |
| 19177 | Oxcarbazepine Impurity 8               | VS-0028025 | 866873-98-5  |
| 19178 | Oxcarbazepine Impurity 9               | VS-0028026 | 59691-07-5   |
| 19179 | Oxcarbazepine Impurity 10              | VS-0028027 | 1261034-93-8 |
| 19180 | Oxcarbazepine Impurity 11              | VS-0028028 | 75272-34-3   |
| 19181 | Oxitropium Bromide                     | VS-0029000 | 30286-75-0   |
| 19182 | Oxitropium Bromide EP Impurity A       | VS-0029001 | 67009-40-9   |
| 19183 | Oxitropium Bromide EP Impurity B       | VS-0029002 | 13265-10-6   |
| 19184 | Oxitropium Bromide EP Impurity C       | VS-0029003 | 99571-64-9   |
| 19185 | Oxitropium Bromide EP Impurity D       | VS-0029004 | N/A          |
| 19186 | Oxitropium Bromide Impurity D          | VS-0029005 | 95778-01-1   |

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| 19187 | Oxolamine                               | VS-0030000 | 959-14-8     |
| 19188 | Oxolamine Citrate                       | VS-0030001 | 1949-20-8    |
| 19189 | Oxomemazine Hydrochloride               | VS-0031001 | 4784-40-1    |
| 19190 | Oxomemazine N-Oxide                     | VS-0031002 | N/A          |
| 19191 | Oxybutynin                              | VS-0032000 | 5633-20-5    |
| 19192 | Oxybutynin Hydrochloride                | VS-0032001 | 1508-65-2    |
| 19193 | 2-Chloro Oxybutynin                     | VS-0032002 | N/A          |
| 19194 | 3-Chloro Oxybutynin                     | VS-0032003 | N/A          |
| 19195 | Oxybutynin EP Impurity A                | VS-0032004 | 1199574-71-4 |
| 19196 | Oxybutynin EP Impurity B                | VS-0032005 | 14943-53-4   |
| 19197 | Oxybutynin USP RC B                     | VS-0032006 | 10399-13-0   |
| 19198 | Oxybutynin EP Impurity C                | VS-0032007 | 1199574-70-3 |
| 19199 | Oxybutynin EP Impurity D                | VS-0032008 | 4335-77-7    |
| 19200 | Oxybutynin EP Impurity E                | VS-0032009 | N/A          |
| 19201 | Oxybutynin-N-Oxide                      | VS-0032010 | 80976-68-7   |
| 19202 | 3-Quinuclidinyl Benzilate               | VS-0032011 | 02-06-81     |
| 19203 | N-substituted Ally Oxybutynin Impurity  | VS-0032012 | N/A          |
| 19204 | Oxybutynin-N-Substituted Allyl Impurity | VS-0032013 | N/A          |
| 19205 | Oxybutynin Impurity 1                   | VS-0032014 | N/A          |
| 19206 | Oxymetazoline                           | VS-0033000 | 1491-59-4    |
| 19207 | Oxymetazoline EP Impurity A             | VS-0033001 | 1391053-50-1 |
| 19208 | Oxymetazoline EP Impurity B             | VS-0033002 | 1218-35-5    |
| 19209 | Oxymetazoline EP Impurity C             | VS-0033003 | 55699-13-3   |
| 19210 | Oxymetazoline EP Impurity D             | VS-0033004 | 55699-12-2   |
| 19211 | Oxymetazoline EP Impurity E             | VS-0033005 | 55699-10-0   |
| 19212 | Oxymetazoline hydrochloride             | VS-0033006 | 08-02-15     |
| 19213 | Oxymetazoline Nitroso Impurity 1        | VS-0033007 | NA           |
| 19214 | Oxyquinoline Sulfate                    | VS-0034000 | 134-31-6     |
| 19215 | Oxytetracycline                         | VS-0035000 | 2058-46-0    |
| 19216 | Oxytetracycline EP Impurity A           | VS-0035001 | 14206-58-7   |
| 19217 | Oxytetracycline EP Impurity B           | VS-0035002 | 64-75-5      |
| 19218 | Oxytetracycline EP Impurity C           | VS-0035003 | 7647-65-6    |
| 19219 | Oxytetracycline EP Impurity D           | VS-0035004 | 18695-01-7   |
| 19220 | Oxytetracycline EP Impurity E           | VS-0035005 | 18751-99-0   |
| 19221 | Oxytetracycline EP Impurity F           | VS-0035006 | 4660-26-8    |
| 19222 | Oxytetracycline EP Impurity F(4-Epimer) | VS-0035007 | N/A          |
| 19223 | 4-epioxytetracycline                    | VS-0035008 | 35259-39-3   |
| 19224 | Ozanimod                                | VS-0036000 | 1306760-87-1 |
| 19225 | Ozanimod Alcohol Impurity               | VS-0036001 | 1306760-61-1 |
| 19226 | Ozanimod Bromo Impurity                 | VS-0036002 | N/A          |
| 19227 | Ozanimod R Isomer                       | VS-0036003 | N/A          |
| 19228 | Ozanimod Metabolite                     | VS-0036004 | 2251699-84-8 |
| 19229 | Ozanimod N-Nitroso Impurity             | VS-0036005 | N/A          |
| 19230 | Ozenoxacin                              | VS-0037000 | 245765-41-7  |
| 19231 | Octinoxate                              | VS-0038000 | 5466-77-3    |
| 19232 | Oxazepam EP Impurity A                  | VS-0039000 | 19554-95-1   |
| 19233 | Oxazepam EP Impurity B                  | VS-0039001 | 1824-74-4    |

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| 19234 | Oxazepam EP Impurity C                                                                                                  | VS-0039002 | 04-05-58     |
| 19235 | Oxazepam EP Impurity D                                                                                                  | VS-0039003 | 719-59-5     |
| 19236 | Oxazepam EP Impurity E                                                                                                  | VS-0039004 | NA           |
| 19237 | Oxazepam Impurity 1                                                                                                     | VS-0039005 | 20927-55-3   |
| 19238 | Oxprenolol Hydrochloride                                                                                                | VS-0040000 | 6452-73-9    |
| 19239 | Oxybenzone                                                                                                              | VS-0041000 | 131-57-7     |
| 19240 | Oteracil Potassium                                                                                                      | VS-0042000 | 2207-75-2    |
| 19241 | Oteracil Potassium Impurity                                                                                             | VS-0042001 | NA           |
| 19242 | Oclacitinib Maleate                                                                                                     | VS-0043000 | 1208319-27-0 |
| 19243 | Octocrylene                                                                                                             | VS-0044000 | 6197-30-4    |
| 19244 | Octocrylene Impurity 1                                                                                                  | VS-0044001 | 13361-34-7   |
| 19245 | Oliceridine                                                                                                             | VS-0045000 | 1401028-24-7 |
| 19246 | Paclitaxel                                                                                                              | VS-P001000 | 33069-62-4   |
| 19247 | Paclitaxel Succinate                                                                                                    | VS-P001001 | 117527-50-1  |
| 19248 | Paclitaxel EP Impurity A                                                                                                | VS-P001002 | 173101-54-7  |
| 19249 | Paclitaxel EP Impurity B                                                                                                | VS-P001003 | 71610-00-9   |
| 19250 | Paclitaxel EP Impurity C                                                                                                | VS-P001004 | 153415-45-3  |
| 19251 | Paclitaxel EP Impurity D                                                                                                | VS-P001005 | 150547-36-7  |
| 19252 | Paclitaxel EP Impurity E                                                                                                | VS-P001006 | 105454-04-4  |
| 19253 | Paclitaxel EP Impurity F                                                                                                | VS-P001007 | 153083-53-5  |
| 19254 | Paclitaxel EP Impurity G                                                                                                | VS-P001008 | 78432-77-6   |
| 19255 | Paclitaxel EP Impurity H                                                                                                | VS-P001009 | 78454-17-8   |
| 19256 | Paclitaxel EP Impurity I                                                                                                | VS-P001010 | 2157462-42-3 |
| 19257 | Paclitaxel EP Impurity J                                                                                                | VS-P001011 | N/A          |
| 19258 | Paclitaxel EP Impurity K                                                                                                | VS-P001012 | 148930-55-6  |
| 19259 | Paclitaxel EP Impurity L                                                                                                | VS-P001013 | 92950-39-5   |
| 19260 | Paclitaxel EP Impurity M                                                                                                | VS-P001014 | 932042-85-8  |
| 19261 | Paclitaxel EP Impurity N                                                                                                | VS-P001015 | 27548-93-2   |
| 19262 | Paclitaxel EP Impurity O                                                                                                | VS-P001016 | 219783-77-4  |
| 19263 | Paclitaxel EP Impurity P                                                                                                | VS-P001017 | 173101-56-9  |
| 19264 | Paclitaxel EP Impurity Q                                                                                                | VS-P001018 | 502626-06-4  |
| 19265 | Paclitaxel EP Impurity R                                                                                                | VS-P001019 | N/A          |
| 19266 | Paclitaxel-8-hydro-bicyclo(3.3.0)octane                                                                                 | VS-P001020 | 146139-03-9  |
| 19267 | 10-Acetoacetyl 2',7-Bis-O-(Triethylsilyl) Paclitaxel                                                                    | VS-P001021 | N/A          |
| 19268 | 7-Acetyl Paclitaxel Trichloroethyl Ester                                                                                | VS-P001022 | N/A          |
| 19269 | 3'-p-O-Benzyl-6 $\alpha$ -hydroxy Paclitaxel                                                                            | VS-P001023 | N/A          |
| 19270 | 3'-p-O-Benzyl Paclitaxel                                                                                                | VS-P001024 | N/A          |
| 19271 | 3'-p-O-Benzyl-7-[[{(2,2,2-trichloroethyl)oxy}carbonyl] Paclitaxel                                                       | VS-P001025 | N/A          |
| 19272 | 3'-p-O-Benzyl-N-desbenzoyl-N-tert-butoxycarbonyl-N,O-isopropylidene-7-[[{(2,2,2-trichloroethyl)oxy}carbonyl] Paclitaxel | VS-P001026 | N/A          |
| 19273 | 2',7-Bis-O-[[{(2,2,2-Trichloroethyl)oxy}carbonyl] Paclitaxel                                                            | VS-P001027 | 100449-86-3  |
| 19274 | 2',7-Bis-O-(Triethylsilyl) 10-Desacetyl Paclitaxel                                                                      | VS-P001028 | 155556-72-2  |
| 19275 | 2',7-O-Bis(triethylsilyl)-D-seco-paclitaxel                                                                             | VS-P001029 | N/A          |
| 19276 | 2'-O-(tert-Butyldimethylsilyl)-6,7-dehydro Paclitaxel                                                                   | VS-P001030 | N/A          |
| 19277 | 2'-O-(tert-Butyldimethylsilyl)-6 $\alpha$ -hydroxy 7-epi-Paclitaxel                                                     | VS-P001031 | 165065-08-7  |
| 19278 | 2'-O-(tert-Butyldimethylsilyl)-6 $\alpha$ -hydroxy Paclitaxel                                                           | VS-P001032 | 211732-86-4  |
| 19279 | 2'-O-(tert-Butyldimethylsilyl) Paclitaxel                                                                               | VS-P001033 | 114655-02-6  |

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| 19280 | 2'-O-(tert-Butyldimethylsilyl)paclitaxel 7-O-triflate                                                                   | VS-P001034 | 165065-01-0  |
| 19281 | 2'-O-tert-Butyl(dimethyl)silyl-7-O-triethylsilyl-2-debenzoyl-4-desacetyl Paclitaxel                                     | VS-P001035 | 160768-75-2  |
| 19282 | 2'-O-tert-Butyl(dimethyl)silyl-2-debenzoyl-[2,4]-oxol Paclitaxel                                                        | VS-P001036 | N/A          |
| 19283 | N-Debenzoyl-N-butanoyl-10-deacetylpaclitaxel                                                                            | VS-P001037 | 173101-47-8  |
| 19284 | N-Debenzoyl-N-propanoyl-10-deacetylpaclitaxel                                                                           | VS-P001038 | 173101-59-2  |
| 19285 | 10-Deacetyl-7-xylosyl Paclitaxel                                                                                        | VS-P001039 | 90332-63-1   |
| 19286 | N-Debenzoyl-3'-p-O-benzyl-6 $\alpha$ -hydroxy Paclitaxel                                                                | VS-P001040 | N/A          |
| 19287 | N-Desbenzoyl-N-tert-butoxycarbonyl-N,O-isopropylidene-3'-p-O-benzyl-6 $\alpha$ -hydroxy Paclitaxel                      | VS-P001041 | N/A          |
| 19288 | 7-epi N-Desbenzoyl-N-tert-butoxycarbonyl-N,O-isopropylidene-3'-p-O-benzyl-6 $\alpha$ -hydroxy Paclitaxel                | VS-P001042 | N/A          |
| 19289 | N-Desbenzoyl-N-tert-butoxycarbonyl-N,O-isopropylidene-3'-p-O-benzyl-6,7-dehydro Paclitaxel                              | VS-P001043 | 1794640-74-6 |
| 19290 | 2-Debenzoyl Paclitaxel 2-Pentanoate                                                                                     | VS-P001044 | 213767-22-7  |
| 19291 | N-Debenzoyl-7-[[{(2,2,2,-trichloroethyl)oxy}carbonyl] Paclitaxel                                                        | VS-P001045 | 114915-15-0  |
| 19292 | N-Debenzoyl-3'-p-O-benzy-7-[[{(2,2,2,-trichloroethyl)oxy}carbonyl] Paclitaxel                                           | VS-P001046 | N/A          |
| 19293 | N-Debenzoylpaclitaxel 1-Oxopentyl Amino Ester                                                                           | VS-P001047 | 173101-55-8  |
| 19294 | N-Desbenzoyl-N-tert-butoxycarbonyl-N,O-isopropylidene-6,7-dehydro Paclitaxel                                            | VS-P001048 | 1329641-06-6 |
| 19295 | N-Desbenzoyl-N-tert-butoxycarbonyl-N,O-isopropylidene 6 $\alpha$ -Hydroxy Paclitaxel                                    | VS-P001049 | N/A          |
| 19296 | 4-Desacetyl-2-debenzoyl-[2,4]-oxol Paclitaxel                                                                           | VS-P001050 | 159500-49-9  |
| 19297 | DHA-Paclitaxel                                                                                                          | VS-P001051 | 199796-52-6  |
| 19298 | 6 $\alpha$ ,3'-p-Dihydroxy Paclitaxel                                                                                   | VS-P001052 | 157230-10-9  |
| 19299 | 6 $\alpha$ -Hydroxy Paclitaxel                                                                                          | VS-P001053 | 153212-75-0  |
| 19300 | 3'-p-Hydroxy Paclitaxel                                                                                                 | VS-P001054 | 132160-32-8  |
| 19301 | Paclitaxel 7-troc Paclitaxel                                                                                            | VS-P001055 | 114915-17-2  |
| 19302 | 7-13-bissidechain 10-Acetyl paclitaxel                                                                                  | VS-P001056 | 376629-82-2  |
| 19303 | 2'-O-[[{(2,2,2,-Trichloroethyl)oxy}carbonyl Paclitaxel                                                                  | VS-P001057 | 100431-55-8  |
| 19304 | 2'-O-[[{(2,2,2,-Trichloroethyl)oxy}carbonyl-7-O-(triethylsilyl) Paclitaxel                                              | VS-P001058 | N/A          |
| 19305 | 7-O-(Triethylsilyl)-2'-O-tert-butyl(dimethyl)silyl Paclitaxel                                                           | VS-P001059 | 156413-61-5  |
| 19306 | 7-O-(Triethylsilyl)-2'-O-tert-butyl(dimethyl)silyl-4-desacetyl-2-debenzoyl-[2,4]oxol Paclitaxel                         | VS-P001060 | N/A          |
| 19307 | 7-O-(Triethylsilyl)-2'-O-tert-butyl(dimethyl)silyl-2-debenzoyl Paclitaxel                                               | VS-P001061 | N/A          |
| 19308 | 7-O-(Triethylsilyl)-2'-O-tert-butyl(dimethyl)silyl 2-Debenzoyl Paclitaxel 2-Pentanoate                                  | VS-P001062 | 1055033-93-6 |
| 19309 | 7-O-(Triethylsilyl)-2'-O-tert-butyl(dimethyl)silyl-5-benzoyl-4-desacetyldebenzoyl-[2,4]oxol Paclitaxel                  | VS-P001063 | N/A          |
| 19310 | 7-O-(Triethylsilyl)-2'-O-tert-butyl(dimethyl)silyl-5-acetyl-4-desacetyl-2-debenzoyl-[2,4]oxol Paclitaxel                | VS-P001064 | N/A          |
| 19311 | 2',7,20-O-Tri(triethylsilyl)-5-acetyl-D-seco-paclitaxel                                                                 | VS-P001065 | N/A          |
| 19312 | ( $\alpha$ R, $\beta$ S)- $\beta$ -(Acetylamino)- $\alpha$ -hydroxy-4-(phenylmethoxy)-benzenepropanoic Acid Ethyl Ester | VS-P001066 | 382596-25-0  |
| 19313 | (3R,4S)-1-Benzoyl-4-phenyl-3-[(triethylsilyl)oxy]-2-azetidinone                                                         | VS-P001067 | 149249-91-2  |

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| 19314 | (4S,5R)-3-Benzoyl-2-(4-methoxyphenyl)-4-phenyloxazolidine-5-carboxylic Acid                                                                                                  | VS-P001068 | 949023-16-9  |
| 19315 | (2R,3S)-N-Benzoyl-3-phenyl Isoleucine                                                                                                                                        | VS-P001069 | 132201-33-3  |
| 19316 | (2R,3S)-N-Benzoyl-3-phenyl Isoleucine Ethyl Ester                                                                                                                            | VS-P001070 | 153433-80-8  |
| 19317 | (2R,3S)-N-Benzoyl-3-phenyl Isoleucine Methyl Ester                                                                                                                           | VS-P001071 | 32981-85-4   |
| 19318 | 2'-O-(Benzyloxycarbonyl) Taxol                                                                                                                                               | VS-P001072 | 148930-30-7  |
| 19319 | 2'-Benzoyloxycarbonyl 5-Acetyl D-seco-Taxol                                                                                                                                  | VS-P001073 | N/A          |
| 19320 | 2'-Benzoyloxycarbonyl D-seco-Taxol                                                                                                                                           | VS-P001074 | N/A          |
| 19321 | 2'-Benzyloxycarbonyl 15-Hydroxy Nortaxol                                                                                                                                     | VS-P001075 | N/A          |
| 19322 | 2'-Benzyloxycarbonyl Nor-D-seco-taxol                                                                                                                                        | VS-P001076 | N/A          |
| 19323 | (3S,6R,7S,12Z,15S,16E)-3,7-Bis-[[tert-butyl(dimethyl)silyl]oxy]-15-hydroxy-4,4,6,8,12,16-hexamethyl-17-(2-methyl-1,3-thiazol-4-yl)-5-oxoheptadeca-12,16-dienoic Acid         | VS-P001077 | 193146-26-8  |
| 19324 | (4S,7R,8S,9S,13Z,16S)-4,8-Bis-[[tert-butyl(dimethyl)silyl]oxy]-5,5,7,9,13-pentamethyl-16-[(E)-1-methyl-2-(2-methyl-1,3-thiazol-4-yl)ethenyl]oxocyclohexadec-13-ene-2,6-dione | VS-P001078 | 189453-35-8  |
| 19325 | 4-[(1E,3S,5Z,8R/S,10S)-3,11-Bis-[[tert-butyl(dimethyl)silyl]oxy]-2,6,10-trimethyl-8-(phenylsulfonyl)undeca-1,5-dienyl]-2-methyl-1,3-thiazole                                 | VS-P001079 | 308357-81-5  |
| 19326 | 4-[(1E,3S,5Z,8R/S,10S)-3,11-Bis-[[tert-butyl(dimethyl)silyl]oxy]-2,6,10-trimethyl-undeca-1,5-dienyl]-2-methyl-1,3-thiazole                                                   | VS-P001080 | 210690-85-0  |
| 19327 | 13-[[[(3-t-Boc)-2,2-dimethyl-4S-phenyl-1,3-oxazolidin-5R-yl]formyl]-6 $\alpha$ ,7 $\beta$ -dihydroxy Baccatin III                                                            | VS-P001081 | N/A          |
| 19328 | 13-[[[(3-t-Boc)-2,2-dimethyl-4S-phenyl-1,3-oxazolidin-5R-yl]formyl]-6 $\alpha$ ,7 $\alpha$ -dihydroxy Baccatin III                                                           | VS-P001082 | N/A          |
| 19329 | (4S,5R)-3-(tert-Butoxycarbonyl)-2,2-dimethyl-4-phenyloxazolidine-5-carboxylic Acid                                                                                           | VS-P001083 | 143527-70-2  |
| 19330 | 13-[[[(3-t-Boc)-2,2-dimethyl-4S-phenyl-1,3-oxazolidin-5R-yl]formyl] $\Delta$ 6,7-Baccatin III                                                                                | VS-P001084 | N/A          |
| 19331 | 13-[[[(3-t-Boc)-2,2-dimethyl-4S-phenyl-1,3-oxazolidin-5R-yl]formyl]-7-O-(2,2,2-trichloroethyl)oxy]carbonyl Baccatin III                                                      | VS-P001085 | 143527-73-5  |
| 19332 | 13-[[[(3-N-Boc)-2,2-dimethyl-4S-phenyl-1,3-oxazolidin-5R-yl]formyl]-7-O-(triethylsilyl) Baccatin III                                                                         | VS-P001086 | 143527-71-3  |
| 19333 | 2-Bromoisophthaldehyde                                                                                                                                                       | VS-P001087 | 79839-49-9   |
| 19334 | 2-O-tert-Butyl(dimethyl)silyl-(2R,3S)-benzoyl-3-phenylisoleucine Methyl Ester                                                                                                | VS-P001088 | N/A          |
| 19335 | (1S,2S,3R,4R)-rel-3-((tert-Butoxycarbonyl)amino)bicyclo[2.2.1]heptane-2-carboxylic Acid                                                                                      | VS-P001089 | 1212306-15-4 |
| 19336 | Carbonochloridic Acid 1,2,2,2-Tetrachloroethyl Ester                                                                                                                         | VS-P001090 | 98015-53-3   |
| 19337 | 10-Deacetyl Baccatin III                                                                                                                                                     | VS-P001091 | 32981-86-5   |
| 19338 | 4-Deacetyl-4-propionyl Cabazitaxel                                                                                                                                           | VS-P001092 | N/A          |
| 19339 | Desbenzoyl Docetaxel                                                                                                                                                         | VS-P001093 | 160972-48-5  |
| 19340 | N-DesBoc Docetaxel                                                                                                                                                           | VS-P001094 | 133524-69-3  |
| 19341 | N-Des-2-methylpropan-2-ol Docetaxel                                                                                                                                          | VS-P001095 | N/A          |
| 19342 | 10-(O-2,2-Dichloroethoxycarbonyl) 13-(3-O-TES) 7-Epi Docetaxel                                                                                                               | VS-P001096 | N/A          |
| 19343 | Desmethyl Ethyldihydrocephalomannine                                                                                                                                         | VS-P001097 | 514801-83-3  |
| 19344 | ( $\alpha$ R, $\beta$ S)- $\beta$ -[[[(1,1-Dimethylethoxy)carbonyl]amino]- $\alpha$ -hydroxy-4-(phenylmethoxy)-benzenepropanoic Acid Ethyl Ester                             | VS-P001098 | 382596-26-1  |

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| 19345 | (4R,5R)-2,2-Dimethyl-4-phenyl-3,5-oxazolidinedicarboxylic Acid 3-(1,1-Dimethylethyl) Ester                                                                        | VS-P001099 | N/A          |
| 19346 | (4S,5R)-2,2-Dimethyl-4-[4-(phenylmethoxy)phenyl]-3,5-oxazolidinedicarboxylic Acid 3-(1,1-Dimethylethyl) Ester                                                     | VS-P001100 | 382596-28-3  |
| 19347 | (4S,5R)-2,2-Dimethyl-4-[4-(phenylmethoxy)phenyl]-N-Dimethylethoxycarbonyl-3,5-oxazolidinecarboxylic Acid Ethyl Ester                                              | VS-P001101 | 382596-27-2  |
| 19348 | 2,6-Diphenylphenol                                                                                                                                                | VS-P001102 | 03-11-32     |
| 19349 | Docetaxel Hydrate                                                                                                                                                 | VS-P001103 | 700367-34-6  |
| 19350 | 2-Desbenzoyl-2-pentonyl Docetaxel                                                                                                                                 | VS-P001104 | N/A          |
| 19351 | Docetaxel 2',7,10-Tris(triethylsilyl) Ether                                                                                                                       | VS-P001105 | 149107-86-8  |
| 19352 | Docetaxel 2'-tert-Butylsilyl Ether                                                                                                                                | VS-P001106 | 342613-14-3  |
| 19353 | Docetaxel 2'-tert-Butyldimethylsilyl Ether                                                                                                                        | VS-P001107 | 1144034-14-9 |
| 19354 | Epothilone B (synthetic)                                                                                                                                          | VS-P001108 | 152044-54-7  |
| 19355 | Epothilone D (synthetic)                                                                                                                                          | VS-P001109 | 189453-10-9  |
| 19356 | (3R,4S)-3-(1-Ethoxyethoxy)-2-oxo-4-phenyl-1-azetidinecarboxylic Acid 1,1-Dimethylethyl Ester                                                                      | VS-P001110 | 201856-57-7  |
| 19357 | 2-Ethyl-1,3-propanediol                                                                                                                                           | VS-P001111 | 2612-29-5    |
| 19358 | Etanidazole                                                                                                                                                       | VS-P001112 | 22668-01-5   |
| 19359 | Ethyl Docetaxel                                                                                                                                                   | VS-P001113 | 154044-47-0  |
| 19360 | Fmoc-Lys(Boc)-OH                                                                                                                                                  | VS-P001114 | 71989-26-9   |
| 19361 | N-Formyl 10-Oxo Docetaxel                                                                                                                                         | VS-P001115 | N/A          |
| 19362 | (3R,4S)-3-Hydroxy-4-phenyl-2-azetidinone                                                                                                                          | VS-P001116 | 132127-34-5  |
| 19363 | 7-Methyl-10-(2-hydroxy-3-N-Boc-3-phenylpropionyl) Docetaxel                                                                                                       | VS-P001117 | 1714967-25-5 |
| 19364 | Milataxel                                                                                                                                                         | VS-P001118 | 393101-41-2  |
| 19365 | 7-epi-10-Oxo-10-deacetyl Baccatin III                                                                                                                             | VS-P001119 | 151636-94-1  |
| 19366 | 6-Oxo Docetaxel                                                                                                                                                   | VS-P001120 | 1412898-68-0 |
| 19367 | ( $\alpha$ R, $\beta$ R)- $\beta$ -Phenyl Isoleucine Hydrochloride                                                                                                | VS-P001121 | 161453-08-3  |
| 19368 | ( $\alpha$ S, $\beta$ R)- $\beta$ -Phenyl Isoleucine Hydrochloride                                                                                                | VS-P001122 | 521059-43-8  |
| 19369 | ( $\alpha$ S, $\beta$ S)- $\beta$ -Phenyl Isoleucine Hydrochloride                                                                                                | VS-P001123 | 949459-75-0  |
| 19370 | Taxol D                                                                                                                                                           | VS-P001124 | 153415-46-4  |
| 19371 | (3S,6R,7S,8S,12Z,15S,16E)-1,3,7,15-Tetrakis-[[tert-butyl(dimethyl)silyl]oxy]-4,4,6,8,12,16-hexamethyl-17-(2-methyl-1,3-thiazol-4-yl)heptadeca-12,16-dien-5-one    | VS-P001125 | 193146-51-9  |
| 19372 | Tricaproin                                                                                                                                                        | VS-P001126 | 621-70-5     |
| 19373 | 7-Troc Baccatin-III                                                                                                                                               | VS-P001127 | 133577-34-1  |
| 19374 | 7-[[[(2,2,2-Trichloroethyl)oxy]carbonyl] Baccatin III (4S, 5S)-3-Benzoyl-2-(4-methoxyphenyl)-4-phenyl-5-oxazolidinecarboxylate                                    | VS-P001128 | 1033574-06-9 |
| 19375 | 7-O-(Triethylsilyl) Baccatin III                                                                                                                                  | VS-P001129 | 115437-21-3  |
| 19376 | 7-O-(Triethylsilyl-2-debenzoyl-4-desacetyl-hexahydrobaccatin III                                                                                                  | VS-P001130 | N/A          |
| 19377 | 7-O-(Triethylsilyl-2-debenzoyl-4-desacetyl-[2,4]oxol-D-seco-baccatin III                                                                                          | VS-P001131 | N/A          |
| 19378 | 7-O-(Triethylsilyl)-2'-O-tert-butyl(dimethyl)silyl-2-debenzoyl-[2,4]oxol Paclitaxel                                                                               | VS-P001132 | N/A          |
| 19379 | 7-O-(Trifluoroacetyl) Baccatin III                                                                                                                                | VS-P001133 | 158811-19-9  |
| 19380 | Trinonanoic Acid                                                                                                                                                  | VS-P001134 | 126-53-4     |
| 19381 | (3S,6R,7S,8S,12Z,15S,16E)-3,7,15-Tris-[[tert-butyl(dimethyl)silyl]oxy]-4,4,6,8,12,16-hexamethyl-17-(2-methyl-1,3-thiazol-4-yl)-5-oxo-heptadeca-12,16-dienoic Acid | VS-P001135 | 193146-63-3  |



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| 19382 | (3S,6R,7S,8S,12Z,15S,16E)-3,7,15-Tris-[[tert-butyl(dimethyl)silyl]oxy]-1-hydroxy-4,4,6,8,12,16-hexamethyl-17-(2-methyl-1,3-thiazol-4-yl)heptadeca-12,16-dien-5-one  | VS-P001136 | 193146-53-1  |
| 19383 | (3S,6R,7S,8S,12Z,15S,16E)-1,3,15-Tris-[[tert-butyl(dimethyl)silyl]oxy]-7-hydroxy-4,4,6,8,12,16-hexamethyl-17-(2-methyl-1,3-thiazol-4-yl)heptadecyl-12,16-dien-5-one | VS-P001137 | 193146-49-5  |
| 19384 | Vinyl Chloroformate                                                                                                                                                 | VS-P001138 | 5130-24-5    |
| 19385 | 7-Xylosyltaxol                                                                                                                                                      | VS-P001139 | 90332-66-4   |
| 19386 | Paclitaxel 13-Tes-baccatin III                                                                                                                                      | VS-P001140 | N/A          |
| 19387 | 2-Debenzoyl Paclitaxel 2-Pentenoate                                                                                                                                 | VS-P001141 | N/A          |
| 19388 | Paclitaxel Intermediate 2                                                                                                                                           | VS-P001142 | 196404-55-4  |
| 19389 | 7,13-bissidechain 10-deacetyl-paclitaxelstructure                                                                                                                   | VS-P001143 | N/A          |
| 19390 | 2'O-benzoyl Paclitaxel                                                                                                                                              | VS-P001144 | 158948-97-1  |
| 19391 | Paclitaxel Derivative C                                                                                                                                             | VS-P001145 | 135393-42-9  |
| 19392 | 2-Debenzoyl-2-tigloyl 10-Deacetyl Baccatin III                                                                                                                      | VS-P001146 | 171926-87-7  |
| 19393 | 2-Debenzoyl-2-Pentenoate Baccatin-III                                                                                                                               | VS-P001147 | N/A          |
| 19394 | 7-Troc-2-debenzoyl-2-pentenate Baccatin-III                                                                                                                         | VS-P001148 | N/A          |
| 19395 | 7,13-Bis-O-(triethylsilyl) Baccatin III                                                                                                                             | VS-P001149 | 150541-99-4  |
| 19396 | 7,10,13-tris(triethylsilyl)-10-deacetylbaccatin III                                                                                                                 | VS-P001150 | 194720-19-9  |
| 19397 | 2',7-bis(triethylsilyl)taxol                                                                                                                                        | VS-P001151 | 135365-62-7  |
| 19398 | 19-Hydroxy-10-deacetylbaccatin III                                                                                                                                  | VS-P001152 | 154083-99-5  |
| 19399 | 13-Oxo-10-deacetyl Baccatin III                                                                                                                                     | VS-P001153 | 92950-42-0   |
| 19400 | (4R,5R)-3-Benzoyl-2-(4-anisyl)-4-phenyl-5-oxazolidinecarboxylic Acid                                                                                                | VS-P001154 | 1262147-55-6 |
| 19401 | Paclitaxel Impurity 1                                                                                                                                               | VS-P001155 | 206866-02-6  |
| 19402 | Paclitaxel Impurity 2                                                                                                                                               | VS-P001156 | 489459-83-8  |
| 19403 | Paclitaxel Impurity 3                                                                                                                                               | VS-P001157 | 158948-96-0  |
| 19404 | Paclitaxel Impurity 4                                                                                                                                               | VS-P001158 | 159001-24-8  |
| 19405 | Paclitaxel Impurity 5                                                                                                                                               | VS-P001159 | N/A          |
| 19406 | Paclitaxel Impurity 6                                                                                                                                               | VS-P001160 | 57672-79-4   |
| 19407 | Paclitaxel Impurity 7                                                                                                                                               | VS-P001161 | N/A          |
| 19408 | Paclitaxel Impurity 8                                                                                                                                               | VS-P001162 | N/A          |
| 19409 | Palbociclib                                                                                                                                                         | VS-P002000 | 571190-30-2  |
| 19410 | Palbociclib Hydrochloride                                                                                                                                           | VS-P002001 | 827022-32-2  |
| 19411 | Palbociclib Hydrobromide                                                                                                                                            | VS-P002002 | 1985666-03-2 |
| 19412 | Palbociclib Sulfate                                                                                                                                                 | VS-P002003 | 1942024-36-3 |
| 19413 | Palbociclib Impurity A                                                                                                                                              | VS-P002004 | 1082876-26-3 |
| 19414 | Palbociclib Impurity C                                                                                                                                              | VS-P002005 | N/A          |
| 19415 | Palbociclib Impurity D                                                                                                                                              | VS-P002006 | N/A          |
| 19416 | Palbociclib Dimer Impurity                                                                                                                                          | VS-P002007 | 2458234-34-7 |
| 19417 | N-Boc protected Palbociclib Dimer                                                                                                                                   | VS-P002008 | N/A          |
| 19418 | Palbociclib Lactose Adduct Impurity                                                                                                                                 | VS-P002009 | N/A          |
| 19419 | Palbociclib Millard reaction Impurity                                                                                                                               | VS-P002010 | N/A          |
| 19420 | Palbociclib N-Formyl Impurity                                                                                                                                       | VS-P002011 | 2174002-16-3 |
| 19421 | Palbociclib 4-Piperazin-N-oxide                                                                                                                                     | VS-P002012 | 2231085-26-8 |
| 19422 | Palbociclib Oxidation Impurity                                                                                                                                      | VS-P002013 | 2363160-84-1 |
| 19423 | Maltol                                                                                                                                                              | VS-P002014 | 118-71-8     |
| 19424 | Palbociclib Des Acetyl N-Oxide                                                                                                                                      | VS-P002015 | N/A          |

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| 19425 | Palbociclib N-Glucuronide             | VS-P002016 | N/A          |
| 19426 | N-Fumaryl Palbociclib                 | VS-P002017 | N/A          |
| 19427 | Palbociclib Maleic Acid Adduct        | VS-P002018 | N/A          |
| 19428 | Palbociclib Citric Acid Adduct        | VS-P002019 | N/A          |
| 19429 | Palbociclib Tartaric Acid adduct      | VS-P002020 | N/A          |
| 19430 | Palbociclib Chlorobromo Impurity      | VS-P002021 | 1016636-76-2 |
| 19431 | Palbociclib Acetic Acid Adduct        | VS-P002022 | 1974279-20-3 |
| 19432 | Palbociclib 2-Hydroxy Acetyl Impurity | VS-P002023 | 2172256-78-7 |
| 19433 | 6-Desacetyl Palbociclib               | VS-P002024 | 571190-22-2  |
| 19434 | Palbociclib Impurity 2                | VS-P002025 | 2204863-06-7 |
| 19435 | Palbociclib Impurity 3                | VS-P002026 | 1651214-74-2 |
| 19436 | Palbociclib Impurity 4                | VS-P002027 | 1376615-91-6 |
| 19437 | Palbociclib Pyridine N-Oxide          | VS-P002028 | 2098673-40-4 |
| 19438 | Palbociclib Piperazine N-Oxide        | VS-P002029 | 2174002-29-8 |
| 19439 | Palbociclib Impurity 7                | VS-P002030 | 827022-35-5  |
| 19440 | Palbociclib Impurity 8                | VS-P002031 | 827022-31-1  |
| 19441 | Palbociclib Impurity 9                | VS-P002032 | 2204368-66-9 |
| 19442 | Palbociclib Impurity 10               | VS-P002033 | 2206135-30-8 |
| 19443 | Palbociclib Impurity 11               | VS-P002034 | 866084-31-3  |
| 19444 | Palbociclib Impurity 12               | VS-P002035 | 2204368-69-2 |
| 19445 | Palbociclib Impurity 13               | VS-P002036 | 2204442-50-0 |
| 19446 | Palbociclib Impurity 14               | VS-P002037 | 2204863-10-3 |
| 19447 | Palbociclib Impurity 15               | VS-P002038 | 571189-65-6  |
| 19448 | Palbociclib Impurity 16               | VS-P002039 | 571189-64-5  |
| 19449 | Palbociclib Impurity 17               | VS-P002040 | N/A          |
| 19450 | Palbociclib Impurity 18               | VS-P002041 | 2206827-36-1 |
| 19451 | Palbociclib Impurity 19               | VS-P002042 | 2205035-04-5 |
| 19452 | Palbociclib Impurity 20               | VS-P002043 | 2459303-21-8 |
| 19453 | Palbociclib Impurity 21               | VS-P002044 | 2458234-37-0 |
| 19454 | Palbociclib Impurity 22               | VS-P002045 | 1922954-32-2 |
| 19455 | Palbociclib Impurity 23               | VS-P002046 | 2270982-31-3 |
| 19456 | Palbociclib Impurity 25               | VS-P002047 | N/A          |
| 19457 | Palbociclib Impurity 28               | VS-P002048 | 28564-83-2   |
| 19458 | Palbociclib Impurity 29               | VS-P002049 | 571191-15-6  |
| 19459 | Palbociclib Impurity 30               | VS-P002050 | 2324831-15-2 |
| 19460 | Palbociclib Impurity 31               | VS-P002051 | 1974279-21-4 |
| 19461 | Palbociclib Impurity 32               | VS-P002052 | N/A          |
| 19462 | Palbociclib Impurity 33               | VS-P002053 | N/A          |
| 19463 | Palbociclib Impurity 34               | VS-P002054 | N/A          |
| 19464 | Palbociclib Impurity 35               | VS-P002055 | 571188-59-5  |
| 19465 | Palbociclib Impurity 36               | VS-P002056 | N/A          |
| 19466 | Palbociclib Impurity 37               | VS-P002057 | N/A          |
| 19467 | Palbociclib Impurity 38               | VS-P002058 | N/A          |
| 19468 | Palbociclib Impurity 39               | VS-P002059 | 2363172-64-7 |
| 19469 | Palbociclib Impurity 40               | VS-P002060 | N/A          |
| 19470 | Palbociclib Impurity 41               | VS-P002061 | N/A          |
| 19471 | Palbociclib Impurity 42               | VS-P002062 | 1941177-45-2 |

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| 19472 | Palbociclib Impurity 43                        | VS-P002063 | N/A          |
| 19473 | Palbociclib Nitroso Impurity 1                 | VS-P002064 | N/A          |
| 19474 | Palbociclib Nitroso Impurity 2                 | VS-P002065 | N/A          |
| 19475 | Palbociclib Nitroso Impurity 3                 | VS-P002066 | N/A          |
| 19476 | 1,4-Bis(6-nitropyridin-3-yl)piperazine         | VS-P002067 | 2340184-77-0 |
| 19477 | 5,5'-(Piperazine-1,4-diyl)bis(pyridin-2-amine) | VS-P002068 | 2144748-14-9 |
| 19478 | PALBOCICLIB IMPURITY 17 (free base)            | VS-P002069 | 851067-56-6  |
| 19479 | Palbociclib Malic Acid Adduct                  | VS-P002070 | N/A          |
| 19480 | Palbociclib Impurity 44                        | VS-P002071 | N/A          |
| 19481 | Palbociclib Impurity 45                        | VS-P002072 | 2745066-17-3 |
| 19482 | Palbociclib Impurity A (HCl)                   | VS-P002073 | 1956322-95-4 |
| 19483 | Palbociclib Nitroso Impurity 4                 | VS-P002074 | NA           |
| 19484 | Palbociclib Impurity 46                        | VS-P002075 | 610261-34-2  |
| 19485 | Palbociclib Impurity 47                        | VS-P002076 | 1779124-68-3 |
| 19486 | Palbociclib Impurity 48                        | VS-P002077 | NA           |
| 19487 | Palbociclib Impurity 49                        | VS-P002078 | NA           |
| 19488 | Palbociclib Impurity 50                        | VS-P002079 | NA           |
| 19489 | Palbociclib Impurity 51                        | VS-P002080 | 27412-69-7   |
| 19490 | Palbociclib Impurity 52                        | VS-P002081 | 2399424-46-3 |
| 19491 | N-Methyl Palbociclib                           | VS-P002082 | 571189-51-0  |
| 19492 | Palbociclib Impurity 53                        | VS-P002083 | 2242625-36-9 |
| 19493 | Paliperidone                                   | VS-P003000 | 144598-75-4  |
| 19494 | Paliperidone Impurity A                        | VS-P003001 | 1172995-11-7 |
| 19495 | Paliperidone USP RC A                          | VS-P003002 | 849903-79-3  |
| 19496 | Paliperidone Impurity B                        | VS-P003003 | 1172995-13-9 |
| 19497 | Paliperidone USP RC B                          | VS-P003004 | 84163-77-9   |
| 19498 | Paliperidone Impurity C                        | VS-P003005 | 1404053-60-6 |
| 19499 | Paliperidone USP RC C                          | VS-P003006 | 130049-82-0  |
| 19500 | Paliperidone Impurity D                        | VS-P003007 | 1006685-69-3 |
| 19501 | Paliperidone USP RC D                          | VS-P003008 | 761460-08-6  |
| 19502 | Paliperidone Impurity I                        | VS-P003009 | N/A          |
| 19503 | Paliperidone Impurity J                        | VS-P003010 | 2379324-96-4 |
| 19504 | Paliperidone Impurity K                        | VS-P003011 | N/A          |
| 19505 | Paliperidone Impurity M                        | VS-P003012 | N/A          |
| 19506 | Paliperidone Z-Oxime                           | VS-P003013 | 1388021-47-3 |
| 19507 | Paliperidone 5-Fluoro Isomer                   | VS-P003014 | 1346598-34-2 |
| 19508 | Paliperidone 9-Keto Impurity                   | VS-P003015 | 1189516-65-1 |
| 19509 | Paliperidone Desfluoro Impurity                | VS-P003016 | 1380413-60-4 |
| 19510 | Paliperidone E-Oxime                           | VS-P003017 | 1388021-46-2 |
| 19511 | Paliperidone R-Isomer                          | VS-P003018 | 130049-85-3  |
| 19512 | Paliperidone S-Isomer                          | VS-P003019 | 147663-01-2  |
| 19513 | Paliperidone Tetrahydro Impurity               | VS-P003020 | 766485-15-8  |
| 19514 | Paliperidone Palmitate                         | VS-P003021 | 199739-10-1  |
| 19515 | Paliperidone Tetrahydro Chloroethyl Impurity   | VS-P003022 | 260273-82-3  |
| 19516 | Paliperidone 2-Hydroxybenzoyl Impurity         | VS-P003023 | 152542-03-5  |
| 19517 | Paliperidone N-1 Intermediate                  | VS-P003024 | 147687-17-0  |
| 19518 | Paliperidone Intermediate -I of KSM-I          | VS-P003025 | 1008796-22-2 |

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| 19519 | Paliperidone Impurity 5           | VS-P003026 | 1138463-56-5 |
| 19520 | Paliperidone Impurity 6           | VS-P003027 | 1268058-08-7 |
| 19521 | Paliperidone Impurity 7           | VS-P003028 | 1415488-05-9 |
| 19522 | Paliperidone Impurity 8           | VS-P003029 | N/A          |
| 19523 | Paliperidone Impurity 9           | VS-P003030 | N/A          |
| 19524 | Paliperidone Impurity 10          | VS-P003031 | 1008796-23-3 |
| 19525 | Paliperidone Impurity 11          | VS-P003032 | 150332-87-9  |
| 19526 | Paliperidone Impurity 12          | VS-P003033 | 1404053-61-7 |
| 19527 | Paliperidone Impurity 13          | VS-P003034 | 1404053-62-8 |
| 19528 | Paliperidone Impurity 14          | VS-P003035 | 849727-64-6  |
| 19529 | Paliperidone N-Acetyl impurity    | VS-P003036 | 84162-82-3   |
| 19530 | Paliperidone D4                   | VS-P003037 | 1020719-55-4 |
| 19531 | Palonosetron                      | VS-P004000 | 135729-61-2  |
| 19532 | Palonosetron HCl                  | VS-P004001 | 135729-62-3  |
| 19533 | Palonosetron Enantiomer           | VS-P004002 | 135729-75-8  |
| 19534 | Palonosetron Related Compound A   | VS-P004003 | 813425-83-1  |
| 19535 | Palonosetron Related Compound B   | VS-P004004 | 1021456-82-5 |
| 19536 | Palonosetron Related Compound C   | VS-P004005 | 135729-76-9  |
| 19537 | Palonosetron Related Compound D   | VS-P004006 | 135755-51-0  |
| 19538 | Palonosetron Related Compound E   | VS-P004007 | 135729-55-4  |
| 19539 | (6S)-Hydroxy (S,S)-Palonosetron   | VS-P004008 | 848074-08-8  |
| 19540 | (S,S)-Palonosetron Acid           | VS-P004009 | 2125941-92-4 |
| 19541 | (R,S)-Palonosetron Acid           | VS-P004010 | 2407763-11-3 |
| 19542 | (S,R)-Palonosetron Acid           | VS-P004011 | 2407763-12-4 |
| 19543 | (R,R)-Palonosetron Acid           | VS-P004012 | 2407763-13-5 |
| 19544 | Dehydro Palonosetron              | VS-P004013 | 1227162-75-5 |
| 19545 | Palonosetron Impurity 3           | VS-P004014 | 135729-78-1  |
| 19546 | Palonosetron Impurity 4           | VS-P004015 | 2216753-67-0 |
| 19547 | Palonosetron Impurity 5           | VS-P004016 | N/A          |
| 19548 | Palonosetron Impurity 6           | VS-P004017 | 2407763-15-7 |
| 19549 | Palonosetron Impurity 7           | VS-P004018 | 1227162-74-4 |
| 19550 | Palonosetron Impurity 8           | VS-P004019 | 1796933-62-4 |
| 19551 | Palonosetron Impurity 9           | VS-P004020 | 1374226-74-0 |
| 19552 | Palonosetron Impurity 10          | VS-P004021 | 135729-66-7  |
| 19553 | Palonosetron Impurity 11          | VS-P004022 | 4242-18-6    |
| 19554 | N-Nitroso Palonosetron Impurity   | VS-P004023 | NA           |
| 19555 | Palonosetron Impurity 12          | VS-P004024 | 66193-59-7   |
| 19556 | Pamidronate Disodium Pentahydrate | VS-P005001 | 109552-15-0  |
| 19557 | Pamidronate EP Impurity A         | VS-P005002 | 107-95-9     |
| 19558 | Pamidronate EP Impurity B         | VS-P005003 | 7664-38-2    |
| 19559 | Pamidronate EP Impurity C         | VS-P005004 | 10294-56-1   |
| 19560 | Pantoprazole                      | VS-P006000 | 102625-70-7  |
| 19561 | Pantoprazole Sodium               | VS-P006001 | 138786-67-1  |
| 19562 | Pantoprazole Sodium Sesquihydrate | VS-P006002 | N/A          |
| 19563 | Pantoprazole EP Impurity A        | VS-P006003 | 127780-16-9  |
| 19564 | Pantoprazole EP Impurity B        | VS-P006004 | 102625-64-9  |
| 19565 | Pantoprazole EP Impurity C        | VS-P006005 | 97963-62-7   |

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| 19566 | Pantoprazole EP Impurity D             | VS-P006006 | 624742-53-6  |
| 19567 | Pantoprazole EP Impurity E             | VS-P006007 | 2115779-15-0 |
| 19568 | Pantoprazole EP Impurity F             | VS-P006008 | 721924-06-7  |
| 19569 | Pantoprazole EP Impurity D & F mixture | VS-P006009 | N/A          |
| 19570 | Pantoprazole Chloro Impurity           | VS-P006010 | 72830-09-2   |
| 19571 | N-Methyl 5-Difluoromethoxy Thiol       | VS-P006011 | N/A          |
| 19572 | N-Methyl 6-Difluoromethoxy Thiol       | VS-P006012 | N/A          |
| 19573 | Pantoprazole N-Oxide                   | VS-P006013 | 953787-60-5  |
| 19574 | Sulfide N-Methyl 5-Difluoromethoxy     | VS-P006014 | N/A          |
| 19575 | Sulfide N-Methyl 6-Difluoromethoxy     | VS-P006015 | N/A          |
| 19576 | Pantoprazole Sulfone N-Oxide           | VS-P006016 | 953787-55-8  |
| 19577 | 4'-O-Demethyl Pantoprazole Sulfide     | VS-P006017 | 141854-21-9  |
| 19578 | Pantoprazole Sulfide Dimer             | VS-P006018 | N/A          |
| 19579 | O-Desmethyl Pantoprazole O-Sulfate     | VS-P006019 | 1189856-53-8 |
| 19580 | 2-Chloro Pantoprazole                  | VS-P006020 | 812664-93-0  |
| 19581 | Pantoprazole Chlorosulphoxide          | VS-P006021 | 409098-86-8  |
| 19582 | Pantoprazole Impurity 1                | VS-P006022 | N/A          |
| 19583 | Pantoprazole Impurity 2                | VS-P006023 | N/A          |
| 19584 | Pantoprazole Impurity 3                | VS-P006024 | 957470-58-5  |
| 19585 | Pantoprazole Impurity 4                | VS-P006025 | N/A          |
| 19586 | Pantoprazole Impurity 5                | VS-P006026 | 1806469-15-7 |
| 19587 | Pantoprazole Impurity 8                | VS-P006027 | 2288740-66-7 |
| 19588 | Pantoprazole Impurity 9                | VS-P006028 | 97963-75-2   |
| 19589 | Pantoprazole Impurity 10               | VS-P006029 | 97963-76-3   |
| 19590 | Pantoprazole Impurity 11               | VS-P006030 | 97963-77-4   |
| 19591 | Pantoprazole Impurity 12               | VS-P006031 | N/A          |
| 19592 | Pantoprazole Impurity 13               | VS-P006032 | N/A          |
| 19593 | Pantoprazole Impurity 14               | VS-P006033 | N/A          |
| 19594 | Pantoprazole Impurity 15               | VS-P006034 | N/A          |
| 19595 | Pantoprazole Impurity 16               | VS-P006035 | 503058-51-3  |
| 19596 | Pantoprazole Impurity 19               | VS-P006036 | N/A          |
| 19597 | Pantoprazole Impurity 20               | VS-P006037 | N/A          |
| 19598 | Pantoprazole Impurity 21               | VS-P006038 | N/A          |
| 19599 | Pantoprazole Impurity 22               | VS-P006039 | N/A          |
| 19600 | Pantoprazole Impurity 23               | VS-P006040 | N/A          |
| 19601 | Pantoprazole Impurity 24               | VS-P006041 | N/A          |
| 19602 | Pantoprazole Impurity 25               | VS-P006042 | N/A          |
| 19603 | Pantoprazole Impurity 26               | VS-P006043 | 1797132-60-5 |
| 19604 | Pantoprazole Impurity 27               | VS-P006044 | 1166386-02-2 |
| 19605 | Pantoprazole Impurity 28               | VS-P006045 | N/A          |
| 19606 | Pantoprazole Impurity 29               | VS-P006046 | 72830-08-1   |
| 19607 | Pantoprazole Impurity 30               | VS-P006047 | N/A          |
| 19608 | Pantoprazole Impurity 32               | VS-P006048 | N/A          |
| 19609 | Pantoprazole Impurity 33               | VS-P006049 | 122307-41-9  |
| 19610 | Pantoprazole Impurity 34               | VS-P006050 | 72830-07-0   |
| 19611 | Pantoprazole Impurity 35               | VS-P006051 | 953787-47-8  |
| 19612 | Pantoprazole Impurity 36               | VS-P006052 | 953787-51-4  |

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| 19613 | Pantoprazole Impurity 37           | VS-P006053 | 4780-14-7    |
| 19614 | Pantoprazole Impurity 38           | VS-P006054 | 76015-11-7   |
| 19615 | Pantoprazole Impurity 39           | VS-P006055 | 259669-63-1  |
| 19616 | Pantoprazole Impurity 40           | VS-P006056 | 1261747-80-1 |
| 19617 | Pantoprazole Impurity 41           | VS-P006057 | 75-15-0      |
| 19618 | Pantoprazole Impurity 42           | VS-P006058 | 107512-35-6  |
| 19619 | Pantoprazole Impurity 43           | VS-P006059 | 368890-20-4  |
| 19620 | Pantoprazole Impurity 44           | VS-P006060 | 102625-99-0  |
| 19621 | Pantoprazole Impurity 45           | VS-P006061 | N/A          |
| 19622 | Pantoprazole Impurity 46           | VS-P006062 | 141854-24-2  |
| 19623 | Pantoprazole Impurity 47           | VS-P006063 | 1261238-06-5 |
| 19624 | Pantoprazole Impurity 48           | VS-P006064 | 58764-00-4   |
| 19625 | Pantoprazole Impurity 49           | VS-P006065 | 1526768-06-8 |
| 19626 | Pantoprazole Impurity 50           | VS-P006066 | 22236-11-9   |
| 19627 | Pantoprazole Impurity 51           | VS-P006067 | N/A          |
| 19628 | Pantoprazole Impurity 52           | VS-P006068 | N/A          |
| 19629 | Pantoprazole Impurity 53           | VS-P006069 | N/A          |
| 19630 | Pantoprazole Impurity 54           | VS-P006070 | 172282-50-7  |
| 19631 | Pantoprazole Impurity 55           | VS-P006071 | 2512209-15-1 |
| 19632 | Pantoprazole Impurity 56           | VS-P006072 | 58536-70-2   |
| 19633 | Pantoprazole Impurity 57           | VS-P006073 | 409098-85-7  |
| 19634 | Pantoprazole Impurity 58           | VS-P006074 | 57194-69-1   |
| 19635 | Pantoprazole Impurity 59           | VS-P006075 | 1803896-31-2 |
| 19636 | Pantoprazole Impurity 60           | VS-P006076 | N/A          |
| 19637 | Pantoprazole-D3                    | VS-P006077 | 922727-37-5  |
| 19638 | Pantoprazole Sodium Sesquihydrate  | VS-P006078 | 164579-32-2  |
| 19639 | Pantoprazole Impurity 61           | VS-P006079 | 107512-34-5  |
| 19640 | Pantoprazole Impurity 62           | VS-P006080 | 118-71-8     |
| 19641 | Pantoprazole Impurity 63           | VS-P006081 | 103-90-2     |
| 19642 | Calcium Pantothenate               | VS-P007001 | 137-08-6     |
| 19643 | Calcium Pantothenate EP Impurity A | VS-P007002 | 107-95-9     |
| 19644 | Calcium Pantothenate EP Impurity B | VS-P007003 | 1112-33-0    |
| 19645 | Calcium Pantothenate EP Impurity C | VS-P007004 | 599-04-2     |
| 19646 | Calcium pantothenate EP Impurity D | VS-P007005 | 50692-78-9   |
| 19647 | Calcium pantothenate EP Impurity E | VS-P007006 | 897045-90-8  |
| 19648 | Calcium pantothenate EP Impurity F | VS-P007007 | 505-47-5     |
| 19649 | Calcium pantothenate EP Impurity G | VS-P007008 | 2140-53-6    |
| 19650 | Calcium pantothenate EP Impurity H | VS-P007009 | N/A          |
| 19651 | Methylparaben                      | VS-P008001 | 99-76-3      |
| 19652 | Propylparaben                      | VS-P008002 | 94-13-3      |
| 19653 | Benzylparaben                      | VS-P008003 | 94-18-8      |
| 19654 | Pentylparaben                      | VS-P008004 | 6521-29-5    |
| 19655 | Butylparaben Impurity E            | VS-P008005 | 03-02-47     |
| 19656 | Heptyl Parahydroxybenzoate         | VS-P008006 | 1085-12-7    |
| 19657 | Phenyl 4-Hydroxybenzoate           | VS-P008007 | 17696-62-7   |
| 19658 | Isopropyl 4-hydroxybenzoate        | VS-P008008 | 4191-73-5    |
| 19659 | Ethylparaben Sodium Salt           | VS-P008009 | 35285-68-8   |

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| 19660 | Methylparaben                    | VS-P008010 | 94-26-8      |
| 19661 | Sodium Methylparaben             | VS-P008011 | 5026-62-0    |
| 19662 | Paracetamol                      | VS-P009000 | 103-90-2     |
| 19663 | Paracetamol EP Impurity A        | VS-P009001 | 614-80-2     |
| 19664 | Paracetamol EP Impurity B        | VS-P009002 | 1693-37-4    |
| 19665 | Paracetamol EP Impurity C        | VS-P009003 | 3964-54-3    |
| 19666 | Paracetamol EP Impurity D        | VS-P009004 | 103-84-4     |
| 19667 | Paracetamol EP Impurity E        | VS-P009005 | 99-93-4      |
| 19668 | Paracetamol EP Impurity F        | VS-P009006 | 100-02-7     |
| 19669 | Paracetamol EP Impurity G        | VS-P009007 | 34523-34-7   |
| 19670 | Paracetamol EP Impurity H        | VS-P009008 | 2623-33-8    |
| 19671 | Paracetamol EP Impurity I        | VS-P009009 | 118-93-4     |
| 19672 | Paracetamol EP Impurity J        | VS-P009010 | 539-03-7     |
| 19673 | Paracetamol EP Impurity K        | VS-P009011 | 123-30-8     |
| 19674 | Paracetamol EP Impurity L        | VS-P009012 | 2514961-29-4 |
| 19675 | Paracetamol EP Impurity M        | VS-P009013 | 1752-24-5    |
| 19676 | Paracetamol EP Impurity M HCl    | VS-P009014 | 1965310-24-0 |
| 19677 | Paracetamol EP Impurity N        | VS-P009015 | 3070-86-8    |
| 19678 | Paracetamol EP Impurity O        | VS-P009016 | 2575516-61-7 |
| 19679 | 4-Hydroxyphenylacetamide         | VS-P009017 | 17194-82-0   |
| 19680 | Paracetamol Dimer                | VS-P009018 | 98966-14-4   |
| 19681 | Acetaminophen Impurity A (DMF)   | VS-P009019 | N/A          |
| 19682 | 2-Chloro-N-phenylacetamide       | VS-P009020 | 587-65-5     |
| 19683 | Acetaminophen Dimer Impurity     | VS-P009021 | 98966-17-7   |
| 19684 | N-Nitroso Paracetamol            | VS-P009022 | 146897-60-1  |
| 19685 | Acetaminophen-d4                 | VS-P009023 | 64315-36-2   |
| 19686 | Parbendazole                     | VS-P010000 | 14255-87-9   |
| 19687 | Parecoxib Sodium Salt            | VS-P011001 | 198470-85-8  |
| 19688 | Parecoxib N-Oxide                | VS-P011002 | N/A          |
| 19689 | Parecoxib Impurity B             | VS-P011003 | 198471-06-6  |
| 19690 | Parecoxib Impurity C             | VS-P011004 | N/A          |
| 19691 | Parecoxib Impurity D             | VS-P011005 | 477594-28-8  |
| 19692 | Parecoxib Impurity E             | VS-P011006 | N/A          |
| 19693 | Parecoxib Impurity 1             | VS-P011007 | 1708094-99-8 |
| 19694 | Parecoxib Impurity 2             | VS-P011008 | 451-40-1     |
| 19695 | Parecoxib Impurity 3             | VS-P011009 | N/A          |
| 19696 | Parecoxib Impurity 4             | VS-P011010 | 1373038-59-5 |
| 19697 | Parecoxib Impurity 5             | VS-P011011 | 198471-06-6  |
| 19698 | Parecoxib Impurity 6 Sodium Salt | VS-P011012 | 198470-92-7  |
| 19699 | Parecoxib Impurity 7             | VS-P011013 | 501093-49-8  |
| 19700 | Parecoxib Impurity 8             | VS-P011014 | 181696-35-5  |
| 19701 | Parecoxib Impurity 9             | VS-P011015 | N/A          |
| 19702 | Parecoxib Impurity 10            | VS-P011016 | 181695-72-7  |
| 19703 | Parecoxib Impurity 11            | VS-P011017 | 181696-12-8  |
| 19704 | Parecoxib Impurity 12            | VS-P011018 | 198470-84-7  |
| 19705 | Parecoxib Impurity 14            | VS-P011019 | N/A          |
| 19706 | Parecoxib Impurity 15            | VS-P011020 | 26306-06-9   |

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| 19707 | Parecoxib Impurity 16                                                                         | VS-P011021 | 1884279-18-8 |
| 19708 | Parecoxib Impurity 17                                                                         | VS-P011022 | N/A          |
| 19709 | Parecoxib Impurity 18                                                                         | VS-P011023 | 2338845-31-9 |
| 19710 | Parecoxib Impurity 19                                                                         | VS-P011024 | 386273-25-2  |
| 19711 | Parecoxib Impurity 20                                                                         | VS-P011025 | 37928-17-9   |
| 19712 | Parecoxib Impurity 21                                                                         | VS-P011026 | 1709956-89-7 |
| 19713 | Parecoxib Impurity 22                                                                         | VS-P011027 | 181696-73-1  |
| 19714 | Parecoxib Impurity 23                                                                         | VS-P011028 | 1373038-60-8 |
| 19715 | Parecoxib Impurity 24                                                                         | VS-P011029 | 198471-07-7  |
| 19716 | Parecoxib Impurity 25                                                                         | VS-P011030 | 2235371-89-6 |
| 19717 | Parecoxib Impurity 26                                                                         | VS-P011031 | N/A          |
| 19718 | Parecoxib Impurity 27                                                                         | VS-P011032 | N/A          |
| 19719 | Parecoxib Impurity 28                                                                         | VS-P011033 | N/A          |
| 19720 | Pargerverine Hydrochloride                                                                    | VS-P012001 | 2765-97-1    |
| 19721 | Paroxetine Hydrochloride                                                                      | VS-P013001 | 78246-49-8   |
| 19722 | Paroxetine (3S,4R)-N-Methyl Paroxol Impurity                                                  | VS-P013002 | 105812-81-5  |
| 19723 | Paroxetine EP Impurity A                                                                      | VS-P013003 | 1394842-91-1 |
| 19724 | Paroxetine EP Impurity B                                                                      | VS-P013004 | 533-31-3     |
| 19725 | Paroxetine EP Impurity C                                                                      | VS-P013005 | 105813-13-6  |
| 19726 | Paroxetine EP Impurity D                                                                      | VS-P013006 | 130855-30-0  |
| 19727 | Paroxetine EP Impurity E                                                                      | VS-P013007 | 72473-26-8   |
| 19728 | Paroxetine EP Impurity F                                                                      | VS-P013008 | 105813-39-6  |
| 19729 | Paroxetine USP Related Compound F                                                             | VS-P013009 | 110429-36-2  |
| 19730 | Paroxetine EP Impurity G                                                                      | VS-P013010 | 1012886-75-7 |
| 19731 | Paroxetine USP Related Compound G                                                             | VS-P013011 | 2732835-55-9 |
| 19732 | Paroxetine EP Impurity H                                                                      | VS-P013012 | 503834-41-1  |
| 19733 | Paroxetine EP Impurity I                                                                      | VS-P013013 | 220548-73-2  |
| 19734 | Paroxetine EP Impurity J                                                                      | VS-P013014 | N/A          |
| 19735 | 4-Ethoxy Paroxetine Hydrochloride                                                             | VS-P013015 | 1346597-97-4 |
| 19736 | Paroxetine Hydrochloride Hemihydrate                                                          | VS-P013016 | 110429-35-1  |
| 19737 | Paroxetine Hydrochloride Hemihydrate EP Impurity B                                            | VS-P013017 | 127017-74-7  |
| 19738 | Paroxetine Hydrochloride Hemihydrate EP Impurity C                                            | VS-P013018 | N/A          |
| 19739 | Paroxetine Hemihydrate EP Impurity F                                                          | VS-P013019 | 1292846-10-6 |
| 19740 | Paroxetine Impurity 1                                                                         | VS-P013020 | 274-09-9     |
| 19741 | Paroxetine Impurity 2                                                                         | VS-P013021 | N/A          |
| 19742 | cis-(-)-Paroxetine Hydrochloride                                                              | VS-P013022 | 105813-04-5  |
| 19743 | rac-trans Paroxol                                                                             | VS-P013023 | 109887-53-8  |
| 19744 | (3R,4S)-N-Methyl Paroxol                                                                      | VS-P013024 | 389573-45-9  |
| 19745 | Paroxetine Impurity G                                                                         | VS-P013025 | 69675-10-1   |
| 19746 | Phenyl (3S,4R)-3-[(1,3-benzodioxol-5-yloxy)methyl]-4-(4-fluorophenyl)piperidine-1-carboxylate | VS-P013026 | 253768-88-6  |
| 19747 | Sesamol Acetate                                                                               | VS-P013027 | 326-58-9     |
| 19748 | Paroxetine Impurity 3                                                                         | VS-P013028 | 24393-50-8   |
| 19749 | Paroxetine Methoxy Analog                                                                     | VS-P013029 | NA           |
| 19750 | Paroxetine Hydrochloride Catechol Analog                                                      | VS-P013030 | 1394861-12-1 |
| 19751 | Paroxetine                                                                                    | VS-P013031 | 61869-08-7   |
| 19752 | Pazopanib                                                                                     | VS-P014000 | 444731-52-6  |



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| 19753 | Pazopanib Hydrochloride              | VS-P014001 | 635702-64-6   |
| 19754 | Pazopanib Pyrimidine Impurity        | VS-P014002 | 444731-74-2   |
| 19755 | Pazopanib Chloro Impurity            | VS-P014003 | 444731-75-3   |
| 19756 | Pazopanib Dimer Impurity             | VS-P014004 | 1226499-98-4  |
| 19757 | Pazopanib Desmethyl Impurity         | VS-P014005 | N/A           |
| 19758 | 2,3-dimethyl-2H-indazol-6-amine      | VS-P014006 | 444731-72-0   |
| 19759 | Pazopanib Related Compound 1         | VS-P014007 | 80927-55-5    |
| 19760 | Pazopanib Related Compound 2         | VS-P014008 | 1226500-02-2  |
| 19761 | Pazopanib Related Compound 3         | VS-P014009 | 1252927-44-8  |
| 19762 | Pazopanib Related Compound 4         | VS-P014010 | 6274-28-8     |
| 19763 | Pazopanib Impurity 1                 | VS-P014011 | 6269-91-6     |
| 19764 | Pazopanib Impurity 2                 | VS-P014012 | 55873-09-1    |
| 19765 | Pazopanib Impurity 3                 | VS-P014013 | 444731-73-1   |
| 19766 | Pazopanib Impurity 4                 | VS-P014014 | 1313372-75-6  |
| 19767 | Pazopanib Impurity 5                 | VS-P014015 | 1354224-47-7  |
| 19768 | Pazopanib Impurity 6                 | VS-P014016 | 221681-92-1   |
| 19769 | Pazopanib Impurity 7                 | VS-P014017 | 1414375-50-0  |
| 19770 | Pazopanib Impurity 8                 | VS-P014018 | N/A           |
| 19771 | Pazopanib Impurity 9                 | VS-P014019 | 635702-60-2   |
| 19772 | Pazopanib Impurity 11                | VS-P014020 | 1296888-47-5  |
| 19773 | Pazopanib Impurity 12                | VS-P014021 | 2518115-74-5  |
| 19774 | Pazopanib Impurity 13                | VS-P014022 | 3934-20-1     |
| 19775 | Pazopanib Impurity 14                | VS-P014023 | 09-07-73 0:00 |
| 19776 | Pazopanib Impurity 15                | VS-P014024 | 1821666-73-2  |
| 19777 | Pazopanib Impurity 16                | VS-P014025 | 1821666-74-3  |
| 19778 | Pazopanib Impurity 17                | VS-P014026 | 1821666-71-0  |
| 19779 | Pazopanib Impurity 19                | VS-P014027 | 1821666-70-9  |
| 19780 | Pazopanib Impurity 20                | VS-P014028 | 1821666-72-1  |
| 19781 | Pazopanib Impurity 21                | VS-P014029 | 1821666-75-4  |
| 19782 | Pazopanib Impurity 22                | VS-P014030 | 6494-19-5     |
| 19783 | Pazopanib Impurity 23                | VS-P014031 | 99-99-0       |
| 19784 | Pazopanib Hydrochloride Impurity C   | VS-P014032 | 1252927-47-1  |
| 19785 | Trimer impurity of Pazopanib         | VS-P014033 | 1226500-01-1  |
| 19786 | Triamine impurity of 322C            | VS-P014034 | 1226500-00-0  |
| 19787 | Pelubiprofen                         | VS-P015000 | 69956-77-0    |
| 19788 | Pemetrexed                           | VS-P016000 | 137281-23-3   |
| 19789 | Pemetrexed Disodium                  | VS-P016001 | 150399-23-8   |
| 19790 | Pemetrexed EP Impurity A             | VS-P016002 | 869791-42-4   |
| 19791 | Pemetrexed EP Impurity A Sodium Salt | VS-P016003 | 2243918-27-4  |
| 19792 | Pemetrexed EP Impurity B             | VS-P016004 | 1802552-04-0  |
| 19793 | Pemetrexed EP Impurity C             | VS-P016005 | 1802552-16-4  |
| 19794 | Pemetrexed EP Impurity D             | VS-P016006 | 144051-68-3   |
| 19795 | Pemetrexed EP Impurity D Dihydrate   | VS-P016007 | N/A           |
| 19796 | Pemetrexed EP Impurity E             | VS-P016008 | 182009-04-7   |
| 19797 | Pemetrexed EP Impurity E Hydrate     | VS-P016009 | N/A           |
| 19798 | Pemetrexed Mixture of Impurity B & C | VS-P016010 | 1644286-34-9  |
| 19799 | Pemetrexed Keto Impurity             | VS-P016011 | 193281-00-4   |

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| 19800 | Pemetrexed Glutamide Impurity             | VS-P016012 | N/A          |
| 19801 | Pemetrexed Alpha-Hydroxy lactum           | VS-P016013 | 1644286-36-1 |
| 19802 | Pemetrexed Opened Ring Keto-Formamide     | VS-P016014 | 1644286-35-0 |
| 19803 | Pemetrexed Epoxy Hemiaminal               | VS-P016015 | N/A          |
| 19804 | Pemetrexed opened Ring Keto Amide         | VS-P016016 | N/A          |
| 19805 | Tris Pemetrexed                           | VS-P016017 | N/A          |
| 19806 | Pemetrexed Keto Impurity Isomers 2        | VS-P016018 | 2055757-35-0 |
| 19807 | Pemetrexed Alpha-Hydroxy lactum Isomers 2 | VS-P016019 | N/A          |
| 19808 | Pemetrexed Impurity 1                     | VS-P016020 | 1265908-64-2 |
| 19809 | Pemetrexed Impurity 2                     | VS-P016021 | 155405-80-4  |
| 19810 | Pemetrexed Impurity 3                     | VS-P016022 | 1265908-63-1 |
| 19811 | Pemetrexed Impurity 18                    | VS-P016023 | 155405-81-5  |
| 19812 | Pemetrexed Impurity 19                    | VS-P016024 | 193281-05-9  |
| 19813 | Pemetrexed Impurity 20                    | VS-P016025 | N/A          |
| 19814 | Pemetrexed Impurity 16                    | VS-P016026 | 193265-47-3  |
| 19815 | Pemetrexed Impurity 21                    | VS-P016027 | N/A          |
| 19816 | Pemetrexed Impurity 22                    | VS-P016028 | N/A          |
| 19817 | Pemetrexed Impurity 23                    | VS-P016029 | 137281-39-1  |
| 19818 | Pemetrexed Impurity 24                    | VS-P016030 | N/A          |
| 19819 | Pemetrexed Impurity 25                    | VS-P016031 | 1417656-72-4 |
| 19820 | Pemetrexed Impurity 25                    | VS-P016032 | 357166-29-1  |
| 19821 | Pemetrexed Impurity 26                    | VS-P016033 | 123910-88-3  |
| 19822 | Pemetrexed Impurity 27                    | VS-P016034 | 778-29-0     |
| 19823 | Pemetrexed Impurity 28                    | VS-P016035 | 1802552-14-2 |
| 19824 | Pemetrexed Impurity 29                    | VS-P016036 | N/A          |
| 19825 | Pemetrexed Impurity 30                    | VS-P016037 | N/A          |
| 19826 | Pemetrexed Impurity 31                    | VS-P016038 | 155405-79-1  |
| 19827 | Pemetrexed Impurity 32                    | VS-P016039 | 153504-99-8  |
| 19828 | Pemetrexed Impurity 33                    | VS-P016040 | 106200-41-3  |
| 19829 | Pemetrexed N-Acetyl Adenine Impurity      | VS-P016041 | N/A          |
| 19830 | Pemetrexed Impurity 34                    | VS-P016042 | N/A          |
| 19831 | Penciclovir                               | VS-P017000 | 39809-25-1   |
| 19832 | Penciclovir Impurity A                    | VS-P017001 | 100199-40-4  |
| 19833 | Penciclovir Impurity B                    | VS-P017002 | 97845-80-2   |
| 19834 | Penciclovir Impurity C                    | VS-P017003 | 97845-72-2   |
| 19835 | Penciclovir Impurity D                    | VS-P017004 | 172529-94-1  |
| 19836 | Penciclovir Impurity E                    | VS-P017005 | 97845-60-8   |
| 19837 | Penciclovir Impurity F                    | VS-P017006 | N/A          |
| 19838 | Diethyl Decarboxylated Compound           | VS-P017007 | 177838-59-4  |
| 19839 | Methyl Ethyl Decarboxylated Compound      | VS-P017008 | 1696426-78-4 |
| 19840 | Esterified Compound Impurity A            | VS-P017009 | 108437-69-0  |
| 19841 | Esterified Compound Impurity C            | VS-P017010 | N/A          |
| 19842 | Esterified Compound Impurity D            | VS-P017011 | N/A          |
| 19843 | Esterified Compound Impurity E            | VS-P017012 | 97845-61-9   |
| 19844 | Esterified Compound Impurity F            | VS-P017013 | 10310-21-1   |
| 19845 | Esterified Compound Impurity G            | VS-P017014 | 172529-93-0  |
| 19846 | Esterified Compound Impurity H            | VS-P017015 | 131266-11-0  |

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| 19847 | Esterified Compound Impurity I               | VS-P017016 | N/A          |
| 19848 | Esterified Compound Impurity J               | VS-P017017 | N/A          |
| 19849 | N-9 Condensation Compound                    | VS-P017018 | 122497-17-0  |
| 19850 | Acidulated Compound                          | VS-P017019 | 149948-30-1  |
| 19851 | Side-chain 1                                 | VS-P017020 | 21633-79-4   |
| 19852 | Side-chain 2                                 | VS-P017021 | N/A          |
| 19853 | Penciclovir Diol Impurity                    | VS-P017022 | 108970-74-7  |
| 19854 | Penciclovir Diacetyl Impurity                | VS-P017023 | N/A          |
| 19855 | Penicillamine                                | VS-P018000 | 52-67-5      |
| 19856 | L-Penicillamine                              | VS-P018001 | 1113-41-3    |
| 19857 | Cysteine-penicillamine Disulfide             | VS-P018002 | 92077-05-9   |
| 19858 | Homocysteine-penicillamine Disulfide         | VS-P018003 | N/A          |
| 19859 | S-methyl-penicillamine                       | VS-P018004 | 29913-84-6   |
| 19860 | D-Penicillamine Disulfide                    | VS-P018005 | 20902-45-8   |
| 19861 | Formyl DL-Penicillamine                      | VS-P018006 | 158411-82-6  |
| 19862 | Formyl D-Penicillamine                       | VS-P018007 | 13833-89-1   |
| 19863 | Formyl L-Penicillamine                       | VS-P018008 | 884311-05-1  |
| 19864 | Penicillamine Acid Impurity                  | VS-P018009 | 13206-31-0   |
| 19865 | Penicillamine Related Compound 1             | VS-P018010 | N/A          |
| 19866 | Penicillamine Related Compound 2             | VS-P018011 | N/A          |
| 19867 | Penicillamine Impurity 1                     | VS-P018012 | 22801-32-7   |
| 19868 | Penicillamine Impurity 2                     | VS-P018013 | N/A          |
| 19869 | Penicillamine Lactose Adduct Impurity        | VS-P018014 | 139614-14-5  |
| 19870 | Penicillin                                   | VS-P019000 | 87-08-1      |
| 19871 | Phenoxymethylpenicillin Potassium Impurity A | VS-P019001 | 113-98-4     |
| 19872 | Phenoxymethylpenicillin EP Impurity B        | VS-P019002 | 122-59-8     |
| 19873 | Phenoxymethylpenicillin Sodium EP Impurity D | VS-P019003 | 1643662-86-5 |
| 19874 | Phenoxymethylpenicillin EP Impurity E        | VS-P019004 | N/A          |
| 19875 | Phenoxymethylpenicillin EP Impurity F HCl    | VS-P019005 | N/A          |
| 19876 | Benzathine Diacetate                         | VS-P019006 | N/A          |
| 19877 | Benzathine Benzylpenicillin                  | VS-P019007 | 1538-09-6    |
| 19878 | Benzathine Benzylpenicillin EP Impurity A    | VS-P019008 | 04-09-52     |
| 19879 | Benzathine Benzylpenicillin EP Impurity B    | VS-P019009 | 103-82-2     |
| 19880 | Benzathine Benzylpenicillin EP Impurity C    | VS-P019010 | N/A          |
| 19881 | Benzathine Benzylpenicillin EP Impurity E    | VS-P019011 | 13057-98-2   |
| 19882 | Benzathine Benzylpenicillin EP Impurity G    | VS-P019012 | 525-91-7     |
| 19883 | Benzathine Benzylpenicillin EP Impurity H    | VS-P019013 | N/A          |
| 19884 | Benzathine Benzyl Penicillin EP Impurity I   | VS-P019014 | 31447-86-6   |
| 19885 | Benzathine Benzylpenicillin EP Impurity K    | VS-P019015 | N/A          |
| 19886 | Penicillin G Procaine                        | VS-P019016 | 6130-64-9    |
| 19887 | Benzyl Penicilloic Acid Mono-Sodium Salt     | VS-P019017 | N/A          |
| 19888 | Benzylpenicillin EP Impurity C Sodium Salt   | VS-P019018 | 5985-13-7    |
| 19889 | Benzylpenicillin EP(CP) Impurity D           | VS-P019019 | 13093-87-3   |
| 19890 | Benzylpenicillin EP(CP) Impurity F           | VS-P019020 | N/A          |
| 19891 | Benzylpenicillin CP Impurity G               | VS-P019021 | N/A          |
| 19892 | Benzylpenicillin CP Impurity H               | VS-P019022 | 500-98-1     |
| 19893 | Benzylpenicillin CP Impurity I               | VS-P019023 | 3264-88-8    |

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| 19894 | Benzylpenicillin CP Impurity J                       | VS-P019024 | N/A         |
| 19895 | Benzylpenicillin CP Impurity L                       | VS-P019025 | N/A         |
| 19896 | Penicillic Acid                                      | VS-P019026 | 90-65-3     |
| 19897 | Penicillenic Acid                                    | VS-P019027 | 10250-99-4  |
| 19898 | Phenoxy methylpenillic Acid Dimethyl Ester           | VS-P019028 | 27190-68-7  |
| 19899 | Monomethyl Benzylpenicilloate                        | VS-P019029 | 59054-27-2  |
| 19900 | Benzathine                                           | VS-P019030 | 140-28-3    |
| 19901 | Benzylpenicillin (benzathine) tetrahydrate           | VS-P019031 | N/A         |
| 19902 | phenoxymethylpenicillin potassium                    | VS-P019032 | 132-98-9    |
| 19903 | Benzylpenicillin sodium                              | VS-P019033 | 69-57-8     |
| 19904 | Benzylpenicillins G (Benzathine)                     | VS-P019034 | N/A         |
| 19905 | Isopenillic acid                                     | VS-P019035 | 90962-63-3  |
| 19906 | Penicilloic acids of penicillin G                    | VS-P019036 | N/A         |
| 19907 | Phenoxy methylpenicillin Potassium Impurity G        | VS-P019037 | N/A         |
| 19908 | 4-Hydroxy phenoxy methyl penicillin                  | VS-P019038 | 20880-67-5  |
| 19909 | Benzylpenicillin Impurity 1                          | VS-P019039 | N/A         |
| 19910 | Benzylpenicillin Impurity 2                          | VS-P019040 | N/A         |
| 19911 | Benzylpenicillin Impurity 3                          | VS-P019041 | N/A         |
| 19912 | Benzylpenicillin Impurity 4                          | VS-P019042 | N/A         |
| 19913 | Benzylpenicillin Impurity 5                          | VS-P019043 | N/A         |
| 19914 | Benzylpenicillin Impurity 6                          | VS-P019044 | N/A         |
| 19915 | Benzylpenicillin Diethylaminoethyl Ester Hydroiodide | VS-P019045 | 808-71-9    |
| 19916 | Penoxsulam                                           | VS-P020000 | 219714-96-2 |
| 19917 | Penoxsulam Impurity 1                                | VS-P020001 | 907215-84-3 |
| 19918 | Pentamidine Diisetonate                              | VS-P021001 | 140-64-7    |
| 19919 | Pentamidine EP Impurity A                            | VS-P021002 | 155914-97-9 |
| 19920 | Pentamidine Isethionate Diamide Impurity             | VS-P021003 | 84223-67-6  |
| 19921 | Pentamidine Impurity 1                               | VS-P021004 | 81171-21-3  |
| 19922 | Pentetreotide                                        | VS-P022001 | 138661-02-6 |
| 19923 | Pentoxifylline                                       | VS-P023000 | 06-05-93    |
| 19924 | Pentoxifylline EP Impurity A                         | VS-P023001 | 83-67-0     |
| 19925 | Pentoxifylline EP Impurity B                         | VS-P023002 | 1076-22-8   |
| 19926 | Pentoxifylline EP Impurity C                         | VS-P023003 | 58-55-9     |
| 19927 | Pentoxifylline EP Impurity D                         | VS-P023004 | 59413-14-8  |
| 19928 | Pentoxifylline EP Impurity E                         | VS-P023005 | 77196-87-3  |
| 19929 | Pentoxifylline EP Impurity F                         | VS-P023006 | 58-08-2     |
| 19930 | Pentoxifylline EP Impurity G                         | VS-P023007 | 93079-86-8  |
| 19931 | Pentoxifylline EP Impurity H                         | VS-P023008 | 200556-62-3 |
| 19932 | Pentoxifylline EP Impurity I                         | VS-P023009 | 55247-90-0  |
| 19933 | Pentoxifylline EP Impurity J                         | VS-P023010 | 874747-30-5 |
| 19934 | Pentoxifylline EP Impurity K                         | VS-P023011 | 74857-22-0  |
| 19935 | Hydroxy Pentoxifylline                               | VS-P023012 | 07-06-93    |
| 19936 | Pentoxifylline Impurity 1                            | VS-P023013 | 74857-33-3  |
| 19937 | Perampanel                                           | VS-P024000 | 380917-97-5 |
| 19938 | Desbromo Pyridone Impurity                           | VS-P024001 | 381725-50-4 |
| 19939 | Bromo Pyridone Impurity                              | VS-P024002 | 381248-06-2 |
| 19940 | Phenylboronic Acid                                   | VS-P024003 | 98-80-6     |

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| 19941 | Perampanel ¾ Hydrate                | VS-P024004 | 1571982-04-1 |
| 19942 | Perampanel Impurity 1               | VS-P024005 | 381233-78-9  |
| 19943 | Perampanel Impurity 2               | VS-P024006 | 172732-52-4  |
| 19944 | Perampanel Impurity 3               | VS-P024007 | N/A          |
| 19945 | Perampanel Impurity 6               | VS-P024008 | N/A          |
| 19946 | Perampanel Impurity 7               | VS-P024009 | N/A          |
| 19947 | Perampanel Impurity 8               | VS-P024010 | N/A          |
| 19948 | Perampanel Impurity 9               | VS-P024011 | N/A          |
| 19949 | Perampanel N-Oxide                  | VS-P024012 | 380919-67-5  |
| 19950 | Perampanel Impurity 4               | VS-P024013 | 380919-34-6  |
| 19951 | Perazine Dimalonate                 | VS-P025000 | 14777-25-4   |
| 19952 | Perhexiline                         | VS-P026000 | 6621-47-2    |
| 19953 | Pericyazine                         | VS-P027000 | 2622-26-6    |
| 19954 | Perindopril                         | VS-P028000 | 82834-16-0   |
| 19955 | Perindopril EP Impurity A           | VS-P028001 | 80875-98-5   |
| 19956 | Perindopril EP Impurity B           | VS-P028002 | 95153-31-4   |
| 19957 | Perindopril EP Impurity C           | VS-P028003 | 129970-99-6  |
| 19958 | Perindopril EP Impurity D           | VS-P028004 | 130061-28-8  |
| 19959 | Perindopril EP Impurity E           | VS-P028005 | 1356837-89-2 |
| 19960 | Perindopril EP Impurity F           | VS-P028006 | 129970-98-5  |
| 19961 | Perindopril EP Impurity G           | VS-P028007 | 353777-66-9  |
| 19962 | Perindopril EP Impurity H           | VS-P028008 | 353777-64-7  |
| 19963 | Perindopril EP Impurity I           | VS-P028009 | 145513-33-3  |
| 19964 | Perindopril EP Impurity I (Hydrate) | VS-P028010 | N/A          |
| 19965 | Perindopril EP Impurity J           | VS-P028011 | 685523-06-2  |
| 19966 | Perindopril EP Impurity K           | VS-P028012 | 2165676-00-4 |
| 19967 | Perindopril EP Impurity L           | VS-P028013 | 111836-22-7  |
| 19968 | Perindopril EP Impurity M           | VS-P028014 | N/A          |
| 19969 | Perindopril EP Impurity N           | VS-P028015 | N/A          |
| 19970 | Perindopril EP Impurity O           | VS-P028016 | N/A          |
| 19971 | Perindopril EP Impurity P           | VS-P028017 | 82978-68-5   |
| 19972 | Perindopril t-Butylamine            | VS-P028018 | 107133-36-8  |
| 19973 | Perindopril SRSs Isomer             | VS-P028019 | N/A          |
| 19974 | Perindopril SSSrs Isomer            | VS-P028020 | N/A          |
| 19975 | Perindopril SSSrr Isomer            | VS-P028021 | N/A          |
| 19976 | Perindopril L-Arginine              | VS-P028022 | 612548-45-5  |
| 19977 | Perindopril Benzyl Ester            | VS-P028023 | 122454-52-8  |
| 19978 | Perindopril Impurity 1              | VS-P028024 | 94062-52-9   |
| 19979 | Perindopril Impurity 2              | VS-P028025 | 79815-20-6   |
| 19980 | Perindopril Impurity 3              | VS-P028026 | N/A          |
| 19981 | N-Nitroso Perindopril               | VS-P028027 | NA           |
| 19982 | Nitroso Perindopril EP impurity A   | VS-P028028 | NA           |
| 19983 | Nitroso Perindopril EP impurity B   | VS-P028029 | NA           |
| 19984 | Nitroso Perindopril EP impurity E   | VS-P028030 | NA           |
| 19985 | Nitroso Perindopril EP impurity M   | VS-P028031 | NA           |
| 19986 | Permethrin                          | VS-P029000 | 52645-53-1   |
| 19987 | alpha-Cypermethrin                  | VS-P029001 | 67375-30-8   |

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| 19988 | cis-Permethric Acid                       | VS-P029002 | 59042-49-8   |
| 19989 | Cypermethrin                              | VS-P029003 | 52315-07-8   |
| 19990 | Permethrin Diester Impurity               | VS-P029004 | N/A          |
| 19991 | Permethrin EP Impurity A                  | VS-P029005 | 3586-14-9    |
| 19992 | Permethrin EP Impurity B                  | VS-P029006 | 61898-95-1   |
| 19993 | Permethrin EP Impurity C                  | VS-P029007 | 13826-35-2   |
| 19994 | Permethrin EP Impurity D                  | VS-P029008 | 39515-51-0   |
| 19995 | Permethrin EP Impurity E                  | VS-P029009 | 53874-66-1   |
| 19996 | Permethrin EP Impurity F                  | VS-P029010 | 55701-05-8   |
| 19997 | Permethrin EP Impurity G                  | VS-P029011 | 85576-82-5   |
| 19998 | Permethrin EP Impurity H                  | VS-P029012 | 56860-12-9   |
| 19999 | Permethrin Impurity 1                     | VS-P029013 | 68121-36-8   |
| 20000 | Permethrin Impurity 2                     | VS-P029014 | 1220340-58-8 |
| 20001 | Permethrin Impurity 3                     | VS-P029015 | 68697-08-5   |
| 20002 | Permethrin Impurity 4                     | VS-P029016 | 68697-14-3   |
| 20003 | Permethrin Impurity 5                     | VS-P029017 | 1026245-43-1 |
| 20004 | Perphenazine                              | VS-P030000 | 58-39-9      |
| 20005 | Perphenazine EP Impurity A                | VS-P030001 | 10078-25-8   |
| 20006 | Perphenazine EP Impurity B                | VS-P030002 | 3533-97-9    |
| 20007 | Perphenazine 4-Isomer                     | VS-P030003 | 875256-24-9  |
| 20008 | Perphenazine 14 N-Oxide                   | VS-P030004 | 1254074-25-3 |
| 20009 | Perphenazine 17-N-Oxide                   | VS-P030005 | 803615-00-1  |
| 20010 | Perphenazine 14,17 Di-N-oxide             | VS-P030006 | 1254074-26-4 |
| 20011 | Pharacine                                 | VS-P031000 | 63440-93-7   |
| 20012 | Cyclotris(1,4-butylene Terephthalate)     | VS-P031001 | 63440-94-8   |
| 20013 | Cyclotetrakis(1,4-butylene Terephthalate) | VS-P031002 | 29278-72-6   |
| 20014 | Cyclopentakis(1,4-butylene Terephthalate) | VS-P031003 | 82298-33-7   |
| 20015 | Phenazopyridine Hydrochloride             | VS-P032001 | 136-40-3     |
| 20016 | Phenazopyridine Impurity 1                | VS-P032002 | 141-86-6     |
| 20017 | Phenazopyridine Impurity 2                | VS-P032003 | 1168133-05-8 |
| 20018 | Phenazopyridine Impurity 3                | VS-P032004 | 13707-88-5   |
| 20019 | Phenazopyridine Impurity 4                | VS-P032005 | N/A          |
| 20020 | Phenazopyridine Impurity 5                | VS-P032006 | N/A          |
| 20021 | Pheniramine Maleate                       | VS-P033000 | 132-20-7     |
| 20022 | Pheniramine EP Impurity A                 | VS-P033001 | 101-82-6     |
| 20023 | Pheniramine EP Impurity B                 | VS-P033002 | 2116-65-6    |
| 20024 | Pheniramine N-Oxide                       | VS-P033003 | 12656-98-3   |
| 20025 | Pheniramine Impurity 1                    | VS-P033004 | N/A          |
| 20026 | Phenobarbital                             | VS-P034000 | 50-06-6      |
| 20027 | Phenobarbital EP Impurity A               | VS-P034001 | 69125-70-8   |
| 20028 | Phenobarbital EP Impurity B               | VS-P034002 | 58042-96-9   |
| 20029 | Phenobarbital EP Impurity C               | VS-P034003 | 50-06-6      |
| 20030 | Phenobarbital Impurity 1                  | VS-P034004 | 80866-90-6   |
| 20031 | Phenobarbital Impurity 2                  | VS-P034005 | 90-26-6      |
| 20032 | Phenobarbital Impurity 3                  | VS-P034006 | 90-27-7      |
| 20033 | Phenobarbital Impurity 4                  | VS-P034007 | 90-49-3      |
| 20034 | Phenobarbital D5                          | VS-P034008 | 73738-05-3   |

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| 20035 | Phenoxybenzamine HCl                                         | VS-P035001 | 63-92-3      |
| 20036 | Phenoxybenzamine Hydroxide                                   | VS-P035002 | 101-45-1     |
| 20037 | Phenoxybenzamine Nitrile                                     | VS-P035003 | 2512203-93-7 |
| 20038 | Phenoxybenzamine Hydrochloride Tertiary Amine Impurity       | VS-P035004 | 57619-17-7   |
| 20039 | Phenoxybenzamine Impurity A                                  | VS-P035005 | 68157-86-8   |
| 20040 | Phenoxybenzamine Impurity B                                  | VS-P035006 | 854881-53-1  |
| 20041 | Phenoxybenzamine Impurity C                                  | VS-P035007 | 902273-13-6  |
| 20042 | Phenoxybenzamine Impurity E                                  | VS-P035008 | N/A          |
| 20043 | Phenoxybenzamine Impurity H                                  | VS-P035009 | N/A          |
| 20044 | Phentermine                                                  | VS-P036000 | 122-09-8     |
| 20045 | Phentermine Hydrochloride                                    | VS-P036001 | 1197-21-3    |
| 20046 | Phentermine Impurity A                                       | VS-P036002 | 52117-13-2   |
| 20047 | Phentermine Impurity B                                       | VS-P036003 | 100-86-7     |
| 20048 | Phentermine Impurity C                                       | VS-P036004 | 768-49-0     |
| 20049 | Phentermine Phenethylamine                                   | VS-P036005 | 5531-33-9    |
| 20050 | N-Benzyl formamide                                           | VS-P036006 | 6343-54-0    |
| 20051 | Phentolamine                                                 | VS-P037000 | 50-60-2      |
| 20052 | Phentolamine EP Impurity A                                   | VS-P037001 | N/A          |
| 20053 | Phentolamine EP Impurity B                                   | VS-P037002 | 13338-49-3   |
| 20054 | Phentolamine EP Impurity C                                   | VS-P037003 | 61537-49-3   |
| 20055 | Phenylalanine                                                | VS-P038000 | 63-91-2      |
| 20056 | Phenylalanine EP Impurity A                                  | VS-P038001 | 61-90-5      |
| 20057 | Phenylalanine EP Impurity B                                  | VS-P038002 | 63-68-3      |
| 20058 | Phenylalanine EP Impurity C                                  | VS-P038003 | 60-18-4      |
| 20059 | Phenylalanine EP Impurity D                                  | VS-P038004 | 72-18-4      |
| 20060 | Undecylenoyl Phenylalanine                                   | VS-P038005 | 175357-18-3  |
| 20061 | Phenylbutazone                                               | VS-P039000 | 50-33-9      |
| 20062 | Phenylbutazone EP Impurity A                                 | VS-P039001 | 3583-64-0    |
| 20063 | Phenylbutazone EP Impurity B                                 | VS-P039002 | 16860-43-8   |
| 20064 | Phenylbutazone EP Impurity C                                 | VS-P039003 | 122-66-7     |
| 20065 | Phenylbutazone EP Impurity E                                 | VS-P039004 | 92-87-5      |
| 20066 | Phenylbutazone Impurity D                                    | VS-P039005 | 103-33-3     |
| 20067 | Phenylephrine HCl                                            | VS-P040001 | 61-76-7      |
| 20068 | Phenylephrine EP Impurity A                                  | VS-P040002 | 06-07-96     |
| 20069 | Phenylephrine EP Impurity C                                  | VS-P040003 | 94240-17-2   |
| 20070 | Phenylephrine EP Impurity D                                  | VS-P040004 | 1367567-95-0 |
| 20071 | Phenylephrine EP Impurity E                                  | VS-P040005 | 71786-67-9   |
| 20072 | Phenylephrine Related Compound F                             | VS-P040006 | 1007885-60-0 |
| 20073 | N-Acetyl Phenylephrine                                       | VS-P040007 | 58952-80-0   |
| 20074 | Phenylephrine isoquinolinone analog                          | VS-P040008 | N/A          |
| 20075 | dimethyltetrahydrofolic acid                                 | VS-P040009 | N/A          |
| 20076 | 1,2,3,4-Tetrahydro-4,6-dihydroxy-2-methyl-isoquinoline       | VS-P040010 | 23824-24-0   |
| 20077 | (S)-Phenylephrine Hydrochloride                              | VS-P040011 | 939-38-8     |
| 20078 | N-[(2R)-2-Hydroxy-2-(3-hydroxyphenyl)ethyl]-N-methyl-glycine | VS-P040012 | 1094089-46-9 |
| 20079 | Phenylephrine 4,8 Isoquinoline analog                        | VS-P040013 | 23824-25-1   |
| 20080 | N-(2-Succinyl) Phenylephrine                                 | VS-P040014 | N/A          |
| 20081 | Phenylephrine Glucuronide                                    | VS-P040015 | N/A          |

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| 20082 | Phenylephrine Citrate Adduct -2   | VS-P040016 | N/A          |
| 20083 | Phenylephrine Impurity 1          | VS-P040017 | 1378757-22-2 |
| 20084 | Phenylephrine Impurity 2          | VS-P040018 | 2384531-09-1 |
| 20085 | Phenylephrine Impurity 3          | VS-P040019 | 2384164-93-4 |
| 20086 | Phenylephrine Impurity 4          | VS-P040020 | 2353593-06-1 |
| 20087 | Phenylephrine Impurity 5          | VS-P040021 | 2353261-33-1 |
| 20088 | Phenylephrine Impurity 6          | VS-P040022 | 85299-04-3   |
| 20089 | Phenylephrine Impurity 7          | VS-P040023 | 925430-39-3  |
| 20090 | Phenylephrine Impurity 8          | VS-P040024 | N/A          |
| 20091 | Phenylephrine-citrate adduct      | VS-P040025 | N/A          |
| 20092 | Phenylephrine Impurity 10         | VS-P040026 | N/A          |
| 20093 | Phenylephrine Impurity 11         | VS-P040027 | N/A          |
| 20094 | Phenylephrine Impurity 12         | VS-P040028 | N/A          |
| 20095 | Phenylephrine Impurity 13         | VS-P040029 | N/A          |
| 20096 | Phenylephrine Impurity 14         | VS-P040030 | N/A          |
| 20097 | Phenylephrine Impurity 15         | VS-P040031 | N/A          |
| 20098 | Phenylephrine Impurity 16         | VS-P040032 | N/A          |
| 20099 | Phenylephrine Impurity 17         | VS-P040033 | N/A          |
| 20100 | Phenylephrine Impurity 18         | VS-P040034 | N/A          |
| 20101 | Phenylephrine Impurity 19         | VS-P040035 | N/A          |
| 20102 | Phenylephrine Impurity 20         | VS-P040036 | 94751-95-8   |
| 20103 | Phenylephrine Impurity 21         | VS-P040037 | 37407-21-9   |
| 20104 | Phenylephrine Impurity 22         | VS-P040038 | 68097-15-4   |
| 20105 | Phenylephrine Impurity 23         | VS-P040039 | 151224-50-9  |
| 20106 | Phenylephrine Impurity 24         | VS-P040040 | N/A          |
| 20107 | Phenylephrine Impurity 25         | VS-P040041 | N/A          |
| 20108 | Phenylephrine Impurity 26         | VS-P040042 | N/A          |
| 20109 | Phenylephrine Impurity 27         | VS-P040043 | 495-42-1     |
| 20110 | Phenylephrine Impurity 28         | VS-P040044 | 50741-73-6   |
| 20111 | Phenylephrine Impurity 29         | VS-P040045 | 50741-74-7   |
| 20112 | Phenylephrine Impurity 30         | VS-P040046 | N/A          |
| 20113 | Phenylephrine Impurity 31         | VS-P040047 | 614-35-7     |
| 20114 | Phenylephrine Impurity 32         | VS-P040048 | 830346-80-0  |
| 20115 | Phenylephrine Impurity 33         | VS-P040049 | 915278-80-7  |
| 20116 | Phenylephrine Impurity 34         | VS-P040050 | N/A          |
| 20117 | rac Benzyl Phenylephrine          | VS-P040051 | 1159977-09-9 |
| 20118 | Phenylephrine D3                  | VS-P040052 | 1217705-88-8 |
| 20119 | Phenylephrine                     | VS-P040053 | 59-42-7      |
| 20120 | N-Acetyl-4-benzoquinone Imine     | VS-P040054 | 50700-49-7   |
| 20121 | N-Nitroso Phenylephrine           | VS-P040055 | 78658-64-7   |
| 20122 | Phenylpropanolamine Hydrochloride | VS-P041001 | 154-41-6     |
| 20123 | Phenylpropanolamine Impurity 1    | VS-P041002 | 16735-19-6   |
| 20124 | Phenylpropanolamine Impurity 2    | VS-P041003 | 63620-43-9   |
| 20125 | Phenylpropanolamine Impurity 3    | VS-P041004 | 1427309-74-7 |
| 20126 | Phenylramidol Hydrochloride       | VS-P042001 | 326-43-2     |
| 20127 | Phenytoin                         | VS-P043000 | 57-41-0      |
| 20128 | Phenytoin EP Impurity A           | VS-P043001 | 119-61-9     |



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| 20129 | Phenytoin EP Impurity B                  | VS-P043002 | 134-81-6     |
| 20130 | Phenytoin EP Impurity C                  | VS-P043003 | 3060-50-2    |
| 20131 | Phenytoin EP Impurity D                  | VS-P043004 | 5157-15-3    |
| 20132 | Phenytoin EP Impurity E                  | VS-P043005 | 6802-95-5    |
| 20133 | Phenytoin EP Impurity F                  | VS-P043006 | 51169-17-6   |
| 20134 | Phloroglucinol Dihydrate                 | VS-P044001 | 6099-90-7    |
| 20135 | Isobuthylamido Thiazolyl Resorcinol      | VS-P044002 | 1428450-95-6 |
| 20136 | Phloroglucinol EP Impurity A             | VS-P044003 | 87-66-1      |
| 20137 | Phloroglucinol EP Impurity B             | VS-P044004 | 108-46-3     |
| 20138 | Phloroglucinol EP Impurity D             | VS-P044005 | 491-45-2     |
| 20139 | Phloroglucinol EP Impurity E             | VS-P044006 | 533-73-3     |
| 20140 | Phloroglucinol EP Impurity I             | VS-P044007 | 87-65-0      |
| 20141 | Phloroglucinol EP Impurity K             | VS-P044008 | 95-88-5      |
| 20142 | Phloroglucinol EP Impurity L             | VS-P044009 | 626-43-7     |
| 20143 | Phloroglucinol EP Impurity O             | VS-P044010 | 137-19-9     |
| 20144 | Phthalylsulfathiazole                    | VS-P045000 | 85-73-4      |
| 20145 | Phytonadione                             | VS-P046000 | 84-80-0      |
| 20146 | Phytonadione Impurity A                  | VS-P046001 | 16033-41-3   |
| 20147 | Phytonadione Impurity B                  | VS-P046002 | N/A          |
| 20148 | Phytonadione Impurity C                  | VS-P046003 | 132487-95-7  |
| 20149 | Phytonadione Impurity D                  | VS-P046004 | 132487-93-5  |
| 20150 | Phytonadione Impurity E                  | VS-P046005 | 79082-96-5   |
| 20151 | Phytonadione Impurity F                  | VS-P046006 | N/A          |
| 20152 | Phytonadione Impurity G                  | VS-P046007 | N/A          |
| 20153 | Phytonadione Impurity H                  | VS-P046008 | N/A          |
| 20154 | Phytonadione Impurity I                  | VS-P046009 | N/A          |
| 20155 | Cyclopentadiene-menadione Cycloadduct    | VS-P046010 | N/A          |
| 20156 | Menadione                                | VS-P046011 | 58-27-5      |
| 20157 | Trans-Epoxyphytomenadione                | VS-P046012 | 1588773-08-3 |
| 20158 | Phytonadione Photodegradant              | VS-P046013 | N/A          |
| 20159 | Phytonadione Photodegradation Impurity   | VS-P046014 | N/A          |
| 20160 | Phytonadione Thermaldegradation Impurity | VS-P046015 | N/A          |
| 20161 | Trans-Epoxyphptomenadione                | VS-P046016 | 25486-55-9   |
| 20162 | Vitamin K1 Chromenol Impurity            | VS-P046017 | 34044-00-3   |
| 20163 | Phytonadione Photodegradant Impurity     | VS-P046018 | 15576-39-3   |
| 20164 | Phytonadione Diol Impurity               | VS-P046019 | 107759-10-4  |
| 20165 | Phytonadione Epoxide Impurity (Trans)    | VS-P046020 | 52691-91-5   |
| 20166 | Phytonadione Diacetate Impurity          | VS-P046021 | N/A          |
| 20167 | Phytonadione Hydroxy Impurity            | VS-P046022 | 15576-40-6   |
| 20168 | Dihydrovitamin K1 Diacetate              | VS-P046023 | 604-87-5     |
| 20169 | Dihydro Vitamin K1                       | VS-P046024 | 572-96-3     |
| 20170 | Mixture of Cis and Trans Phytonadione    | VS-P046025 | N/A          |
| 20171 | Phytonadione Impurity 1                  | VS-P046026 | 483-55-6     |
| 20172 | Phytonadione Impurity 2                  | VS-P046027 | N/A          |
| 20173 | Phytonadione Impurity 3                  | VS-P046028 | N/A          |
| 20174 | Phytonadione Impurity 4                  | VS-P046029 | N/A          |
| 20175 | Phytonadione Impurity 5                  | VS-P046030 | 81818-54-4   |

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| 20176 | Phytonadione Impurity 6                 | VS-P046031 | N/A          |
| 20177 | Phytonadione Impurity 7                 | VS-P046032 | N/A          |
| 20178 | Phytonadione Impurity 8                 | VS-P046033 | 2241755-02-0 |
| 20179 | Phytonadione Impurity 9                 | VS-P046034 | N/A          |
| 20180 | Phytonadione Impurity 10                | VS-P046035 | N/A          |
| 20181 | Phytonadione Impurity 11                | VS-P046036 | N/A          |
| 20182 | Phytonadione Impurity 12                | VS-P046037 | N/A          |
| 20183 | Phytonadione Impurity 13                | VS-P046038 | N/A          |
| 20184 | Phytonadione Impurity 14                | VS-P046039 | N/A          |
| 20185 | Phytonadione Impurity 15                | VS-P046040 | 1147564-13-3 |
| 20186 | Phytonadione Impurity 16                | VS-P046041 | 502-69-2     |
| 20187 | Phytonadione Impurity 17                | VS-P046042 | 105017-37-6  |
| 20188 | Phytonadione Impurity 18                | VS-P046043 | N/A          |
| 20189 | Phytonadione Impurity 19                | VS-P046044 | N/A          |
| 20190 | Phytonadione Impurity 20                | VS-P046045 | 19397-95-6   |
| 20191 | Pibrentasvir                            | VS-P047000 | 1353900-92-1 |
| 20192 | Desfluoro Pibrenstavir Impurity         | VS-P047001 | N/A          |
| 20193 | Di-BOC-Benzimidazole                    | VS-P047002 | N/A          |
| 20194 | Benzimidazole                           | VS-P047003 | N/A          |
| 20195 | Picaridin                               | VS-P048000 | 119515-38-7  |
| 20196 | Picosulfate Sodium                      | VS-P049000 | 10040-45-6   |
| 20197 | Sodium Picosulfate N-Oxide              | VS-P049001 | N/A          |
| 20198 | Pilocarpine Hydrochloride               | VS-P050000 | 54-71-7      |
| 20199 | Pilocarpine EP Impurity A               | VS-P050001 | 531-35-1     |
| 20200 | Pilocarpine EP Impurity A (HNO3)        | VS-P050002 | 5984-94-1    |
| 20201 | Pilocarpine EP Impurity B               | VS-P050003 | 28406-15-7   |
| 20202 | Pilocarpine EP Impurity B (Sodium Salt) | VS-P050004 | 92598-79-3   |
| 20203 | Pilocarpine EP Impurity C               | VS-P050005 | 34350-99-7   |
| 20204 | Pilocarpine EP Impurity C (Sodium Salt) | VS-P050006 | 101769-87-3  |
| 20205 | Pilocarpine Impurity 1                  | VS-P050007 | 63095-60-3   |
| 20206 | Pilocarpine                             | VS-P050008 | 92-13-7      |
| 20207 | Pimavanserin                            | VS-P051000 | N/A          |
| 20208 | Amine Impurity                          | VS-P051001 | 2236586-71-1 |
| 20209 | Isobutoxy Amine Impurity                | VS-P051002 | 955997-89-4  |
| 20210 | Urea Impurity                           | VS-P051003 | 1388858-78-3 |
| 20211 | Isobutoxy Urea Impurity                 | VS-P051004 | 955997-87-2  |
| 20212 | Acid Impurity                           | VS-P051005 | 13362-94-2   |
| 20213 | Desfluoro Impurity                      | VS-P051006 | N/A          |
| 20214 | Acetamide Impurity                      | VS-P051007 | N/A          |
| 20215 | Methylallyl Urea Impurity               | VS-P051008 | 1246458-13-8 |
| 20216 | N-Oxide Impurity                        | VS-P051009 | N/A          |
| 20217 | Methyle Ester Impurity                  | VS-P051010 | 61904-54-9   |
| 20218 | Sec-butoxy Urea Impurity                | VS-P051011 | 2377646-60-9 |
| 20219 | Pimavanserin Tartrate                   | VS-P051012 | 706782-28-7  |
| 20220 | Pimavanserin Tartrate Impurity F        | VS-P051013 | N/A          |
| 20221 | Pimavanserin Impurity 4                 | VS-P051014 | N/A          |
| 20222 | Pimavanserin Impurity 5                 | VS-P051015 | N/A          |

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| 20223 | Pimavanserin Impurity 6              | VS-P051016 | N/A          |
| 20224 | Pimavanserin Impurity 8              | VS-P051017 | N/A          |
| 20225 | Pimavanserin Impurity 9              | VS-P051018 | N/A          |
| 20226 | Pimavanserin Impurity 10             | VS-P051019 | N/A          |
| 20227 | Pimavanserin Impurity 11             | VS-P051020 | N/A          |
| 20228 | Pimavanserin Impurity 12             | VS-P051021 | N/A          |
| 20229 | Pimavanserin Impurity 13             | VS-P051022 | 1399883-72-7 |
| 20230 | Pimavanserin Impurity 14             | VS-P051023 | 107456-06-4  |
| 20231 | Pimavanserin Impurity 15             | VS-P051024 | 134227-41-1  |
| 20232 | Pimavanserin Impurity 16             | VS-P051025 | 932724-63-5  |
| 20233 | Pimavanserin Impurity 18             | VS-P051026 | N/A          |
| 20234 | Pimavanserin Impurity 20             | VS-P051027 | 706779-91-1  |
| 20235 | Pimavanserin Impurity 21             | VS-P051028 | N/A          |
| 20236 | Pimecrolimus                         | VS-P052000 | 137071-32-0  |
| 20237 | 4-epi, 14,15-Dehydrated Pimecrolimus | VS-P052001 | N/A          |
| 20238 | Iso-Pimecrolimus                     | VS-P052002 | N/A          |
| 20239 | Desmethyl Pimecrolimus               | VS-P052003 | 1025113-89-6 |
| 20240 | Deschloro Pimecrolimus               | VS-P052004 | 148147-41-5  |
| 20241 | 27-Ethyl Pimecrolimus                | VS-P052005 | N/A          |
| 20242 | Pimecrolimus Impurity 1              | VS-P052006 | N/A          |
| 20243 | Pimobendan                           | VS-P053000 | 74150-27-9   |
| 20244 | Pimobendan EP Impurity A             | VS-P053001 | 2138391-23-6 |
| 20245 | Pimobendan EP Impurity B             | VS-P053002 | 74149-74-9   |
| 20246 | Pinaverium Bromide                   | VS-P054001 | 53251-94-8   |
| 20247 | Trans-Pinaverium Bromide             | VS-P054002 | 1970218-70-2 |
| 20248 | Pinaverium Impurity II               | VS-P054003 | N/A          |
| 20249 | Pinaverium Impurity 1                | VS-P054004 | N/A          |
| 20250 | Pinaverium Impurity 2                | VS-P054005 | 53207-00-4   |
| 20251 | Pinaverium Impurity 3                | VS-P054006 | N/A          |
| 20252 | Pinaverium Impurity 4                | VS-P054007 | N/A          |
| 20253 | Pinaverium Impurity 5                | VS-P054008 | 54370-00-2   |
| 20254 | Pinaverium Impurity 6                | VS-P054009 | N/A          |
| 20255 | Pioglitazone                         | VS-P055000 | 111025-46-8  |
| 20256 | Pioglitazone Hydrochloride           | VS-P055001 | 112529-15-4  |
| 20257 | Pioglitazone EP Impurity A           | VS-P055002 | 625853-74-9  |
| 20258 | Pioglitazone EP Impurity B           | VS-P055003 | 136401-69-9  |
| 20259 | Pioglitazone Related Compound B      | VS-P055004 | 669716-56-7  |
| 20260 | Pioglitazone EP Impurity C           | VS-P055005 | 952188-00-0  |
| 20261 | Pioglitazone EP Impurity D           | VS-P055006 | 868754-41-0  |
| 20262 | Pioglitazone EP Impurity E           | VS-P055007 | 868754-42-1  |
| 20263 | Pioglitazone EP Impurity F           | VS-P055008 | 1391052-15-5 |
| 20264 | Pioglitazone EP Impurity G           | VS-P055009 | 952187-99-4  |
| 20265 | Pioglitazone M1 Metabolite           | VS-P055010 | 74772-78-4   |
| 20266 | Pioglitazone M2 Metabolite           | VS-P055011 | 101931-00-4  |
| 20267 | Pioglitazone M3 Metabolite           | VS-P055012 | 146062-45-5  |
| 20268 | Pioglitazone M4 Metabolite           | VS-P055013 | 146062-44-4  |
| 20269 | Pioglitazone M5 Metabolite           | VS-P055014 | 146062-48-8  |

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| 20270 | Pioglitazone Aldehyde Impurity            | VS-P055015 | 114393-97-4  |
| 20271 | Pioglitazone Amino Impurity               | VS-P055016 | 85583-40-0   |
| 20272 | Pioglitazone Bromo Impurity               | VS-P055017 | 669716-58-9  |
| 20273 | Pioglitazone Didehydro Hydroxy Impurity   | VS-P055018 | 646519-84-8  |
| 20274 | Pioglitazone Fluoro Impurity              | VS-P055019 | 291536-42-0  |
| 20275 | Pioglitazone Hydroxy Aldehyde Impurity    | VS-P055020 | 471295-98-4  |
| 20276 | Pioglitazone Imino Impurity               | VS-P055021 | 105355-26-8  |
| 20277 | Pioglitazone N-Oxide                      | VS-P055022 | 145350-09-0  |
| 20278 | Pioglitazone Sulfonic Acid                | VS-P055023 | 625853-73-8  |
| 20279 | Pioglitazone Methyl Sulfonate             | VS-P055024 | 144809-26-7  |
| 20280 | Pioglitazone Impurity                     | VS-P055025 | 2295-31-0    |
| 20281 | Pioglitazone Impurity 1                   | VS-P055026 | 69603-36-7   |
| 20282 | Pioglitazone Impurity 2                   | VS-P055027 | 69088-97-7   |
| 20283 | Pioglitazone Impurity B                   | VS-P055028 | 144809-28-9  |
| 20284 | Pioglitazone Impurity 3                   | VS-P055029 | 5408-74-2    |
| 20285 | Piperacillin                              | VS-P056000 | 61477-96-1   |
| 20286 | Piperacillin Sodium salt                  | VS-P056001 | 59703-84-3   |
| 20287 | Piperacillin Potassium salt               | VS-P056002 | 87366-94-7   |
| 20288 | Piperacillin Monohydrate                  | VS-P056003 | 66258-76-2   |
| 20289 | Piperacillin Sulfoxide                    | VS-P056004 | 67275-27-8   |
| 20290 | Piperacillin Methyl Ester                 | VS-P056005 | 65700-41-6   |
| 20291 | Piperacillin EP Impurity A                | VS-P056006 | 69-53-4      |
| 20292 | Piperacillin EP Impurity A Sodium salt    | VS-P056007 | 69-52-3      |
| 20293 | Piperacillin EP Impurity A Potassium salt | VS-P056008 | 23277-71-6   |
| 20294 | Piperacillin EP Impurity A Hydrochloride  | VS-P056009 | 40688-84-4   |
| 20295 | Piperacillin EP Impurity A Sulfate        | VS-P056010 | 52732-58-8   |
| 20296 | Piperacillin EP Impurity B                | VS-P056011 | 64817-22-7   |
| 20297 | Piperacillin EP Impurity B (2Na)          | VS-P056012 | N/A          |
| 20298 | Piperacillin EP Impurity C                | VS-P056013 | N/A          |
| 20299 | Piperacillin EP Impurity D                | VS-P056014 | 65772-67-0   |
| 20300 | Piperacillin EP Impurity E                | VS-P056015 | 59702-31-7   |
| 20301 | Piperacillin EP Impurity E Sodium salt    | VS-P056016 | 1913252-86-4 |
| 20302 | Piperacillin EP Impurity F                | VS-P056017 | N/A          |
| 20303 | Piperacillin EP Impurity G                | VS-P056018 | 63422-71-9   |
| 20304 | Piperacillin EP Impurity G Sodium salt    | VS-P056019 | 82778-04-9   |
| 20305 | Piperacillin EP Impurity H                | VS-P056020 | 551-16-6     |
| 20306 | Piperacillin EP Impurity H Sodium salt    | VS-P056021 | 1203-85-6    |
| 20307 | Piperacillin EP Impurity H Potassium salt | VS-P056022 | 13833-83-5   |
| 20308 | Piperacillin EP Impurity H Hydrochloride  | VS-P056023 | 57218-58-3   |
| 20309 | Piperacillin EP Impurity I                | VS-P056024 | 13833-89-1   |
| 20310 | Piperacillin EP Impurity I Potassium salt | VS-P056025 | 67318-68-7   |
| 20311 | Piperacillin EP Impurity J                | VS-P056026 | 2170771-47-6 |
| 20312 | Piperacillin EP Impurity K                | VS-P056027 | N/A          |
| 20313 | Piperacillin EP Impurity M                | VS-P056028 | 64844-70-8   |
| 20314 | Piperacillin Impurity J                   | VS-P056029 | N/A          |
| 20315 | Piperacillin EP Impurity N                | VS-P056030 | N/A          |
| 20316 | Piperacillin EP Impurity P                | VS-P056031 | N/A          |

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| 20317 | Piperacillin EP Impurity R                              | VS-P056032 | N/A          |
| 20318 | Piperacillin EP Impurity S                              | VS-P056033 | N/A          |
| 20319 | Piperacillin EP Impurity T                              | VS-P056034 | 2170771-53-4 |
| 20320 | Piperacillin Impurity 1                                 | VS-P056035 | N/A          |
| 20321 | Piperacillin Impurity 2                                 | VS-P056036 | N/A          |
| 20322 | Piperacillin Impurity 3                                 | VS-P056037 | N/A          |
| 20323 | Piperacillin Impurity 4                                 | VS-P056038 | N/A          |
| 20324 | Piperacillin Impurity 6                                 | VS-P056039 | N/A          |
| 20325 | Piperaquine                                             | VS-P057000 | 4085-31-8    |
| 20326 | Piperaquine Impurity A                                  | VS-P057001 | 837-52-5     |
| 20327 | Piperaquine Impurity B                                  | VS-P057002 | 4039-00-3    |
| 20328 | Piperaquine Impurity C                                  | VS-P057003 | 918879-09-1  |
| 20329 | Piperaquine Impurity D                                  | VS-P057004 | 86-99-7      |
| 20330 | Piperaquine Impurity E                                  | VS-P057005 | 86486-21-7   |
| 20331 | Piperaquine Impurity F                                  | VS-P057006 | 1233345-93-1 |
| 20332 | Piperaquine Impurity G                                  | VS-P057007 | N/A          |
| 20333 | Piperaquine Impurity H                                  | VS-P057008 | 31502-87-1   |
| 20334 | Piperaquine Impurity 1                                  | VS-P057009 | 1373484-78-6 |
| 20335 | 7-Chloro-4-[4-(3-Chloropropyl)-1-Piperazinyl]-Quinoline | VS-P057010 | 4038-99-7    |
| 20336 | Piperidine                                              | VS-P058000 | 110-89-4     |
| 20337 | 2-Methyl-5-(Propan-2-ylidene)-Piperidine                | VS-P058001 | 1936559-70-4 |
| 20338 | 1-Nitrosopiperidine-4-carboxylic acid                   | VS-P058002 | 6238-69-3    |
| 20339 | (S)-3-(Boc-amino)piperidine                             | VS-P058003 | 216854-23-8  |
| 20340 | Pipotiazine Palmitate                                   | VS-P059001 | 37517-26-3   |
| 20341 | Piracetam                                               | VS-P060000 | 7491-74-9    |
| 20342 | Piracetam EP Impurity A                                 | VS-P060001 | 616-45-5     |
| 20343 | Piracetam EP Impurity B                                 | VS-P060002 | 59776-88-4   |
| 20344 | Piracetam EP Impurity C                                 | VS-P060003 | 61516-73-2   |
| 20345 | Piracetam EP Impurity D                                 | VS-P060004 | 53934-76-2   |
| 20346 | Piracetam Impurity 1                                    | VS-P060005 | 105-39-5     |
| 20347 | Pirfenidone                                             | VS-P061000 | 53179-13-8   |
| 20348 | Pirfenidone EP Impurity A                               | VS-P061001 | 1603-41-4    |
| 20349 | Pirfenidone EP Impurity B                               | VS-P061002 | 1003-68-5    |
| 20350 | Pirfenidone EP Impurity C                               | VS-P061003 | 108-95-2     |
| 20351 | Pirfenidone EP Impurity D                               | VS-P061004 | 108-86-1     |
| 20352 | Pirfenidone Impurity 1                                  | VS-P061005 | 2251047-36-4 |
| 20353 | Pirfenidone Impurity 2                                  | VS-P061006 | 377756-15-5  |
| 20354 | Pirfenidone Impurity 3                                  | VS-P061007 | 13179-27-6   |
| 20355 | Pirfenidone Impurity 4                                  | VS-P061008 | 161057-93-8  |
| 20356 | Pirfenidone Impurity 5                                  | VS-P061009 | 53427-93-3   |
| 20357 | Pirfenidone Impurity 6                                  | VS-P061010 | 912570-13-9  |
| 20358 | Pirfenidone Impurity 7                                  | VS-P061011 | N/A          |
| 20359 | Pirfenidone Impurity 8                                  | VS-P061012 | N/A          |
| 20360 | Pirfenidone Impurity 9                                  | VS-P061013 | 51933-81-4   |
| 20361 | Pirfenidone Impurity 10                                 | VS-P061014 | 108-99-6     |
| 20362 | Pirfenidone Impurity 11                                 | VS-P061015 | 1603-40-3    |
| 20363 | Pirfenidone Impurity 12                                 | VS-P061016 | 1003-56-1    |

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| 20364 | Pirfenidone Impurity 13                                        | VS-P061017 | 2512237-43-1 |
| 20365 | 6-Oxo-1-phenyl-1,6-dihydropyridine-3-carboxylic acid(Compound) | VS-P061018 | 77837-08-2   |
| 20366 | N-Nitroso Pirfenidone EP Impurity A                            | VS-P061019 | 126209-21-0  |
| 20367 | Pirlimycin                                                     | VS-P062000 | 79548-73-5   |
| 20368 | Piroxicam                                                      | VS-P063000 | 36322-90-4   |
| 20369 | Piroxicam EP Impurity A                                        | VS-P063001 | 504-29-0     |
| 20370 | Piroxicam EP Impurity B                                        | VS-P063002 | 65897-46-3   |
| 20371 | Piroxicam EP Impurity C                                        | VS-P063003 | 24683-25-8   |
| 20372 | Piroxicam EP Impurity D                                        | VS-P063004 | 6639-62-9    |
| 20373 | Piroxicam EP Impurity E                                        | VS-P063005 | 24683-20-3   |
| 20374 | Piroxicam EP Impurity F                                        | VS-P063006 | 76508-37-7   |
| 20375 | Piroxicam EP Impurity G                                        | VS-P063007 | 35511-14-9   |
| 20376 | Piroxicam EP Impurity H                                        | VS-P063008 | 24683-21-4   |
| 20377 | Piroxicam EP Impurity I                                        | VS-P063009 | 76508-35-5   |
| 20378 | Piroxicam EP Impurity J                                        | VS-P063010 | 35511-15-0   |
| 20379 | Piroxicam EP Impurity K                                        | VS-P063011 | 24683-26-9   |
| 20380 | Piroxicam EP Impurity L                                        | VS-P063012 | 118854-48-1  |
| 20381 | Piroxicam O-Isopropyl Impurity                                 | VS-P063013 | 118854-49-2  |
| 20382 | Piroxicam Impurity 1                                           | VS-P063014 | 20172-97-8   |
| 20383 | Piroxicam EP Impurity K                                        | VS-P063015 | 113913-36-3  |
| 20384 | Pitavastatin                                                   | VS-P064000 | 147511-69-1  |
| 20385 | Pitavastatin Sodium                                            | VS-P064001 | 574705-92-3  |
| 20386 | Pitavastatin Sodium (Z)-Isomer                                 | VS-P064002 | 1633767-50-6 |
| 20387 | Pitavastatin Dihydrobenzophenanthridine Impurity               | VS-P064003 | N/A          |
| 20388 | Pitavastatin TMBA Salt                                         | VS-P064004 | N/A          |
| 20389 | Pitavastatin 5-Oxo Calcium                                     | VS-P064005 | 2180095-22-9 |
| 20390 | Pitavastatin 3-Oxo Sodium                                      | VS-P064006 | N/A          |
| 20391 | Pitavastatin 5-Oxo Ethyl Ester                                 | VS-P064007 | 444732-68-7  |
| 20392 | Pitavastatin 3-Oxo Ethyl Ester                                 | VS-P064008 | 148901-69-3  |
| 20393 | Pitavastatin Acetonide t-Butyl Ester                           | VS-P064009 | 147489-06-3  |
| 20394 | Pitavastatin Methyl Ester                                      | VS-P064010 | 849811-78-5  |
| 20395 | Pitavastatin Ethyl Ester                                       | VS-P064011 | 167073-19-0  |
| 20396 | Pitavastatin Lactone                                           | VS-P064012 | 141750-63-2  |
| 20397 | Pitavastatin Calcium                                           | VS-P064013 | 147526-32-7  |
| 20398 | Pitavastatin Hydroxymethyl Impurity                            | VS-P064014 | 121660-11-5  |
| 20399 | Pitavastatin Benzophenanthridine Impurity                      | VS-P064015 | 1187966-93-3 |
| 20400 | Pitavastatin Sodium Desfluoro Impurity                         | VS-P064016 | N/A          |
| 20401 | Pitavastatin t-Butyl Ester                                     | VS-P064017 | 586966-54-3  |
| 20402 | Pitavastatin (3S,5R)-Isomer Calcium Salt                       | VS-P064018 | 254452-88-5  |
| 20403 | Pitavastatin (3R,5R)-Isomer Sodium Salt                        | VS-P064019 | N/A          |
| 20404 | Pitavastatin (3R,5R)-Isomer Ethyl Ester                        | VS-P064020 | 380848-32-8  |
| 20405 | Pitavastatin (3S,5S)-Isomer Calcium                            | VS-P064021 | 254452-92-1  |
| 20406 | Pitavastatin (3S,5S)-Isomer Ethyl Ester                        | VS-P064022 | 380848-30-6  |
| 20407 | Pitavastatin Desfluoro t-Butyl Ester                           | VS-P064023 | N/A          |
| 20408 | Pitavastatin Desfluoro Acetonide t-Butyl Ester                 | VS-P064024 | N/A          |
| 20409 | Pitavastatin 3S, 5S-Isomer Sodium                              | VS-P064025 | N/A          |
| 20410 | 5-Oxo-Pitavastatin Methyl Ester                                | VS-P064026 | 917752-45-5  |

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|-------|-----------------------------------------------------|------------|--------------|
| 20411 | Pitavastatin (5S)-Oxo Impurity                      | VS-P064027 | 2274791-42-1 |
| 20412 | Pitavastatin 3-Oxo Acid                             | VS-P064028 | N/A          |
| 20413 | Pitavastatin 5-Oxo Impurity                         | VS-P064029 | N/A          |
| 20414 | Pitavastatin 8'-Hydroxy Impurity                    | VS-P064030 | 224320-09-6  |
| 20415 | Pitavastatin 3-O-Glucuronide                        | VS-P064031 | 224320-11-0  |
| 20416 | Pitavastatin Defuoro Impurity Calcium Salt          | VS-P064032 | 1258947-30-6 |
| 20417 | Pitavastatin-floro (Z) Isomer                       | VS-P064033 | N/A          |
| 20418 | Pitavastatin Lactone Dimer                          | VS-P064034 | N/A          |
| 20419 | Pitavastatin Impurity 1                             | VS-P064035 | 1187966-91-1 |
| 20420 | Pitavastatin Impurity 2                             | VS-P064036 | 154057-58-6  |
| 20421 | Pitavastatin Impurity 3                             | VS-P064037 | 1187966-94-4 |
| 20422 | Pitavastatin Impurity 4                             | VS-P064038 | 1187966-95-5 |
| 20423 | Pitavastatin Impurity 5                             | VS-P064039 | 167934-29-4  |
| 20424 | Pitavastatin Impurity 6                             | VS-P064040 | 2347430-68-4 |
| 20425 | Pitavastatin Impurity 7                             | VS-P064041 | 1044518-75-3 |
| 20426 | Pitavastatin Impurity 8                             | VS-P064042 | N/A          |
| 20427 | Pitavastatin Impurity 9                             | VS-P064043 | 176593-07-0  |
| 20428 | Pitavastatin Impurity 10                            | VS-P064044 | 2086271-67-0 |
| 20429 | Pitavastatin Impurity 11                            | VS-P064045 | N/A          |
| 20430 | Pitavastatin Impurity 12                            | VS-P064046 | 2180095-31-0 |
| 20431 | Pitavastatin Impurity 13                            | VS-P064047 | 847849-72-3  |
| 20432 | Pitavastatin Impurity 15                            | VS-P064048 | 1611499-16-1 |
| 20433 | Pitavastatin Impurity 16                            | VS-P064049 | 160495-72-7  |
| 20434 | Pitavastatin Impurity 17                            | VS-P064050 | 154026-94-5  |
| 20435 | Pitavastatin Impurity 18                            | VS-P064051 | 148516-11-4  |
| 20436 | Pitavastatin Impurity 19                            | VS-P064052 | 04-06-00     |
| 20437 | Pitavastatin Impurity 20                            | VS-P064053 | 147511-70-4  |
| 20438 | Pitavastatin Impurity 21                            | VS-P064054 | 1581-13-1    |
| 20439 | Pitavastatin Impurity 22                            | VS-P064055 | 782-01-4     |
| 20440 | Desfluoro Pitavastatin                              | VS-P064056 | 847849-67-6  |
| 20441 | Ethyl 2-cyclopropyl-4-phenyl-3-quinolinecarboxylate | VS-P064057 | 2401004-15-5 |
| 20442 | Pitavastatin Desfluoro Aldehyde                     | VS-P064058 | 2153433-59-9 |
| 20443 | Pitofenone                                          | VS-P065000 | 54063-52-4   |
| 20444 | Pitofenone Acid                                     | VS-P065001 | 130566-58-4  |
| 20445 | Pitofenone Hydrochloride                            | VS-P065002 | 1248-42-6    |
| 20446 | Pitofenone Impurity 1                               | VS-P065003 | 10120-30-6   |
| 20447 | Pivmecillinam                                       | VS-P066000 | 32887-03-9   |
| 20448 | Pivmecillinam EP Impurity A                         | VS-P066001 | N/A          |
| 20449 | Pivmecillinam EP Impurity B                         | VS-P066002 | N/A          |
| 20450 | Pivmecillinam EP Impurity C                         | VS-P066003 | N/A          |
| 20451 | Pivmecillinam EP Impurity D                         | VS-P066004 | N/A          |
| 20452 | Pivmecillinam Impurity 1                            | VS-P066005 | N/A          |
| 20453 | Pivmecillinam Impurity 2                            | VS-P066006 | N/A          |
| 20454 | Pivmecillinam Impurity 3                            | VS-P066007 | N/A          |
| 20455 | Pivmecillinam Impurity 4                            | VS-P066008 | 875216-88-9  |
| 20456 | Pivmecillinam Impurity 5                            | VS-P066009 | N/A          |
| 20457 | Plazomicin                                          | VS-P067000 | 1154757-24-0 |

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|-------|-------------------------------------------|------------|--------------|
| 20458 | Plerixafor                                | VS-P068000 | 110078-46-1  |
| 20459 | Plerixafor Methyl Impurity                | VS-P068001 | 351472-73-6  |
| 20460 | Plerixafor Hydroxy Impurity               | VS-P068002 | 176252-20-3  |
| 20461 | alpha,alpha'-Dibromo-p-xylene             | VS-P068003 | 623-24-5     |
| 20462 | Cyclam                                    | VS-P068004 | 295-37-4     |
| 20463 | Plerixafor Impurity 1                     | VS-P068005 | 548488-49-9  |
| 20464 | Plerixafor Impurity 2                     | VS-P068006 | N/A          |
| 20465 | Plerixafor Impurity 3                     | VS-P068007 | N/A          |
| 20466 | Plerixafor Impurity 4                     | VS-P068008 | N/A          |
| 20467 | Plerixafor Impurity 5                     | VS-P068009 | 201610-16-4  |
| 20468 | Plerixafor Impurity 6                     | VS-P068010 | N/A          |
| 20469 | Plerixafor Impurity 7                     | VS-P068011 | 414858-02-9  |
| 20470 | Plerixafor Impurity 8                     | VS-P068012 | 771464-86-9  |
| 20471 | Plerixafor Impurity 9                     | VS-P068013 | N/A          |
| 20472 | Plerixafor Impurity 10                    | VS-P068014 | N/A          |
| 20473 | Plerixafor Impurity 11                    | VS-P068015 | 175854-48-5  |
| 20474 | Plerixafor Impurity 12                    | VS-P068016 | N/A          |
| 20475 | Plerixafor Impurity 13                    | VS-P068017 | N/A          |
| 20476 | Plerixafor Impurity 14                    | VS-P068018 | 104395-69-9  |
| 20477 | Plerixafor Impurity 15                    | VS-P068019 | 110078-47-2  |
| 20478 | Plerixafor Impurity 16                    | VS-P068020 | N/A          |
| 20479 | Plerixafor Impurity 17                    | VS-P068021 | N/A          |
| 20480 | Plerixafor Nitroso Impurity 1             | VS-P068022 | N/A          |
| 20481 | Plerixafor Nitroso Impurity 2             | VS-P068023 | N/A          |
| 20482 | Plerixafor Nitroso Impurity 3             | VS-P068024 | N/A          |
| 20483 | Polmacoxib                                | VS-P069000 | 301692-76-2  |
| 20484 | Polmacoxib Impurity 1                     | VS-P069001 | 301693-50-5  |
| 20485 | Polmacoxib Impurity 2                     | VS-P069002 | 301693-70-9  |
| 20486 | Polmacoxib Impurity 3                     | VS-P069003 | 301690-25-5  |
| 20487 | Polmacoxib Impurity 4                     | VS-P069004 | 1778703-66-4 |
| 20488 | Polmacoxib Impurity 5                     | VS-P069005 | 1778703-67-5 |
| 20489 | Polmacoxib Impurity 6                     | VS-P069006 | 301693-28-7  |
| 20490 | Polyhexamethylene Biguanide Hydrochloride | VS-P070001 | 32289-58-0   |
| 20491 | Pomalidomide                              | VS-P071000 | 19171-19-8   |
| 20492 | Pomalidomide impurity-6                   | VS-P071001 | 918314-45-1  |
| 20493 | Hydrolyzed Pomalidomide M11               | VS-P071002 | N/A          |
| 20494 | 3-Amino-1-nitroso piperidine-2,6-dione    | VS-P071003 | N/A          |
| 20495 | Pomalidomide 5-POM Impurity               | VS-P071004 | 191732-76-0  |
| 20496 | Pomalidomide Thalidomide Impurity         | VS-P071005 | 50-35-1      |
| 20497 | Pomalidomide Benzyldione Impurity         | VS-P071006 | 24666-55-5   |
| 20498 | Pomalidomide Impurity A                   | VS-P071007 | 641-70-3     |
| 20499 | Pomalidomide Impurity B                   | VS-P071008 | 2353-44-8    |
| 20500 | Pomalidomide Impurity C                   | VS-P071009 | 1001852-10-3 |
| 20501 | Pomalidomide Nitrodione Impurity          | VS-P071010 | 19171-18-7   |
| 20502 | Pomalidomide Hydroxyl Amine Impurity      | VS-P071011 | 497147-11-2  |
| 20503 | Pomalidomide Impurity F                   | VS-P071012 | 2635-64-5    |
| 20504 | Pomalidomide Impurity G                   | VS-P071013 | 641-70-3     |



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|-------|-------------------------------------------------|------------|--------------|
| 20505 | Pomalidomide Impurity H                         | VS-P071014 | 5434-20-8    |
| 20506 | Pomalidomide Impurity J                         | VS-P071015 | 1547162-41-3 |
| 20507 | Pomalidomide Impurity 1                         | VS-P071016 | 1001852-15-8 |
| 20508 | Pomalidomide Impurity 2                         | VS-P071017 | 1795373-50-0 |
| 20509 | Pomalidomide Impurity 3                         | VS-P071018 | 1795373-44-2 |
| 20510 | Pomalidomide Impurity 4                         | VS-P071019 | 1795373-41-9 |
| 20511 | Pomalidomide Impurity 5                         | VS-P071020 | 1795373-54-4 |
| 20512 | Pomalidomide Impurity 6                         | VS-P071021 | 328-48-3     |
| 20513 | Pomalidomide Impurity 7                         | VS-P071022 | 1001852-14-7 |
| 20514 | Pomalidomide Impurity 8                         | VS-P071023 | 17395-99-2   |
| 20515 | Pomalidomide Impurity H (HCl)                   | VS-P071024 | 6946-22-1    |
| 20516 | Pomalidomide Impurity 9                         | VS-P071025 | 55003-81-1   |
| 20517 | (S)-Pomalidomide                                | VS-P071026 | 202271-89-4  |
| 20518 | (R)-Pomalidomide                                | VS-P071027 | 202271-90-7  |
| 20519 | Pomalidomide Impurity 10                        | VS-P071028 | 302953-58-8  |
| 20520 | Pomalidomide Impurity 11                        | VS-P071029 | 92792-46-6   |
| 20521 | Pomalidomide Impurity 12                        | VS-P071030 | 1852533-96-0 |
| 20522 | Pomalidomide Impurity 13                        | VS-P071031 | 444289-17-2  |
| 20523 | Posaconazole                                    | VS-P072000 | 171228-49-2  |
| 20524 | Posaconazole Impurity A                         | VS-P072001 | N/A          |
| 20525 | Posaconazole Impurity B                         | VS-P072002 | 357189-95-8  |
| 20526 | Posaconazole Impurity C                         | VS-P072003 | N/A          |
| 20527 | Posaconazole Impurity D                         | VS-P072004 | 357189-97-0  |
| 20528 | Posaconazole Diastereoisomer 1                  | VS-P072005 | N/A          |
| 20529 | Posaconazole Diastereoisomer 2 (R,S,R,R)        | VS-P072006 | 213381-05-6  |
| 20530 | Posaconazole Diastereoisomer 3 (S,R,R,R)        | VS-P072007 | 1229428-89-0 |
| 20531 | Posaconazole Diastereoisomer 4 (S,S,R,S)        | VS-P072008 | N/A          |
| 20532 | Posaconazole Diastereoisomer 5 (S,R,R,S)        | VS-P072009 | 1229428-90-3 |
| 20533 | Posaconazole Diastereoisomer 6 (R,R,R,S)        | VS-P072010 | 171228-50-5  |
| 20534 | Posaconazole Diastereoisomer 7 (S,R,S,S)        | VS-P072011 | 213381-04-5  |
| 20535 | Posaconazole Diastereoisomer Related Compound 1 | VS-P072012 | 159811-30-0  |
| 20536 | Posaconazole Diastereoisomer Related Compound 2 | VS-P072013 | 166583-12-6  |
| 20537 | Posaconazole Diastereoisomer Related Compound 3 | VS-P072014 | 2243786-01-6 |
| 20538 | Posaconazole Diastereoisomer Related Compound 4 | VS-P072015 | 2243786-02-7 |
| 20539 | Posaconazole Diastereoisomer Related Compound 5 | VS-P072016 | 149809-42-7  |
| 20540 | Posaconazole Diastereoisomer Related Compound 6 | VS-P072017 | 184177-83-1  |
| 20541 | Desfluoro Posaconazole                          | VS-P072018 | N/A          |
| 20542 | Posaconazole Succinyl Ester                     | VS-P072019 | 1488301-79-6 |
| 20543 | Posaconazole Enantiomer                         | VS-P072020 | 2243785-97-7 |
| 20544 | Posaconazole Diastereoisomer 9 (S,S,S,S)        | VS-P072021 | N/A          |
| 20545 | Posaconazole Diastereoisomer 12 (S,R,S,R)       | VS-P072022 | N/A          |
| 20546 | Posaconazole Monodesfluoro Impurity             | VS-P072023 | N/A          |
| 20547 | Posaconazole Desformyl Impurity                 | VS-P072024 | 183871-34-3  |
| 20548 | Posaconazole 1,2,4-Triazole impurity            | VS-P072025 | N/A          |
| 20549 | O-Benzyl posaconazole                           | VS-P072026 | 170985-86-1  |
| 20550 | 4-Desfluoro Posaconazole                        | VS-P072027 | N/A          |
| 20551 | n-Propyl posaconazole                           | VS-P072028 | N/A          |

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|-------|-----------------------------------------------------|------------|--------------|
| 20552 | Posaconazole Enantiomer                             | VS-P072029 | N/A          |
| 20553 | Desethylene Posaconazole N-Formyl                   | VS-P072030 | 357189-96-9  |
| 20554 | rac-Posaconazole Diastereoisomer Related Compound 3 | VS-P072031 | N/A          |
| 20555 | Posaconazole-D-Glucuronide                          | VS-P072032 | N/A          |
| 20556 | Posaconazole N-β-D-Glucuronide                      | VS-P072033 | N/A          |
| 20557 | Posaconazole 3-OXO impurity                         | VS-P072034 | 357189-94-7  |
| 20558 | Posaconazole Formyl Impurity                        | VS-P072035 | N/A          |
| 20559 | Posaconazole Impurity 1                             | VS-P072036 | 1388148-29-5 |
| 20560 | Posaconazole Impurity 2                             | VS-P072037 | N/A          |
| 20561 | Posaconazole Impurity 3                             | VS-P072038 | N/A          |
| 20562 | Posaconazole Impurity 4                             | VS-P072039 | 160709-02-4  |
| 20563 | Posaconazole Impurity 5                             | VS-P072040 | N/A          |
| 20564 | Posaconazole Impurity 6                             | VS-P072041 | N/A          |
| 20565 | Posaconazole Impurity 7                             | VS-P072042 | 345217-02-9  |
| 20566 | Posaconazole Impurity 8                             | VS-P072043 | N/A          |
| 20567 | Posaconazole Impurity 9                             | VS-P072044 | N/A          |
| 20568 | Posaconazole Impurity 10                            | VS-P072045 | N/A          |
| 20569 | Posaconazole Impurity 11                            | VS-P072046 | N/A          |
| 20570 | Posaconazole Impurity 12                            | VS-P072047 | N/A          |
| 20571 | Posaconazole Impurity 13                            | VS-P072048 | N/A          |
| 20572 | Posaconazole Impurity 14                            | VS-P072049 | N/A          |
| 20573 | Posaconazole Impurity 15                            | VS-P072050 | 2423024-27-3 |
| 20574 | Posaconazole Impurity 16                            | VS-P072051 | 2243786-07-2 |
| 20575 | Posaconazole Impurity 17                            | VS-P072052 | 149882-18-8  |
| 20576 | Posaconazole Impurity 18                            | VS-P072053 | N/A          |
| 20577 | Posaconazole Impurity 19                            | VS-P072054 | N/A          |
| 20578 | Posaconazole Impurity 20                            | VS-P072055 | 175889-69-7  |
| 20579 | Posaconazole Impurity 21                            | VS-P072056 | 175712-02-4  |
| 20580 | Posaconazole Impurity 22                            | VS-P072057 | 1388148-30-8 |
| 20581 | Posaconazole Impurity 23                            | VS-P072058 | N/A          |
| 20582 | Posaconazole Impurity 24                            | VS-P072059 | N/A          |
| 20583 | Posaconazole Impurity 25                            | VS-P072060 | 1428118-40-4 |
| 20584 | Posaconazole Impurity 26                            | VS-P072061 | N/A          |
| 20585 | Posaconazole Impurity 27                            | VS-P072062 | N/A          |
| 20586 | Posaconazole Impurity 28                            | VS-P072063 | N/A          |
| 20587 | Posaconazole Impurity 29                            | VS-P072064 | N/A          |
| 20588 | Posaconazole Impurity 30                            | VS-P072065 | N/A          |
| 20589 | Posaconazole Impurity 31                            | VS-P072066 | N/A          |
| 20590 | Posaconazole Impurity 32                            | VS-P072067 | 184177-81-9  |
| 20591 | Posaconazole Impurity 33                            | VS-P072068 | 1887197-42-3 |
| 20592 | Posaconazole Impurity 34                            | VS-P072069 | 2173414-68-9 |
| 20593 | Posaconazole Impurity 35                            | VS-P072070 | 2243785-81-9 |
| 20594 | Posaconazole Impurity 36                            | VS-P072071 | 1042398-26-4 |
| 20595 | Posaconazole Impurity 37                            | VS-P072072 | N/A          |
| 20596 | Posaconazole Impurity 38                            | VS-P072073 | 170985-85-0  |
| 20597 | Posaconazole Impurity 39                            | VS-P072074 | N/A          |
| 20598 | Posaconazole Impurity 40                            | VS-P072075 | N/A          |

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| 20599 | Posaconazole Impurity 41                    | VS-P072076 | N/A          |
| 20600 | Posaconazole Impurity 42                    | VS-P072077 | 1902954-05-5 |
| 20601 | Posaconazole Impurity 43                    | VS-P072078 | 161532-56-5  |
| 20602 | Posaconazole Impurity 44                    | VS-P072079 | 1370190-94-5 |
| 20603 | Posaconazole Impurity 45 (S,R,S,S)          | VS-P072080 | N/A          |
| 20604 | Posaconazole Impurity 46                    | VS-P072081 | N/A          |
| 20605 | Posaconazole Impurity 48                    | VS-P072082 | 112559-81-6  |
| 20606 | Posaconazole Impurity 49                    | VS-P072083 | 161532-65-6  |
| 20607 | Posaconazole Impurity 50                    | VS-P072084 | 1902957-95-2 |
| 20608 | Posaconazole Impurity 51                    | VS-P072085 | N/A          |
| 20609 | Posaconazole Impurity 52                    | VS-P072086 | N/A          |
| 20610 | Posaconazole Impurity 53                    | VS-P072087 | 195735-34-3  |
| 20611 | Posaconazole Impurity 54                    | VS-P072088 | 2134652-05-2 |
| 20612 | Posaconazole Impurity 55                    | VS-P072089 | N/A          |
| 20613 | Posaconazole Impurity 56                    | VS-P072090 | N/A          |
| 20614 | Posaconazole Impurity 57                    | VS-P072091 | 159276-59-2  |
| 20615 | Posaconazole Impurity 58                    | VS-P072092 | 141113-36-2  |
| 20616 | Posaconazole Impurity 59                    | VS-P072093 | N/A          |
| 20617 | Posaconazole Impurity 60                    | VS-P072094 | N/A          |
| 20618 | Posaconazole Impurity 61                    | VS-P072095 | 1902954-03-3 |
| 20619 | Posaconazole Impurity 62                    | VS-P072096 | 1356330-68-1 |
| 20620 | Posaconazole Impurity 63                    | VS-P072097 | N/A          |
| 20621 | Posaconazole Impurity 64                    | VS-P072098 | N/A          |
| 20622 | Posaconazole Impurity 65                    | VS-P072099 | N/A          |
| 20623 | Posaconazole Impurity 66                    | VS-P072100 | N/A          |
| 20624 | Posaconazole Impurity 67                    | VS-P072101 | N/A          |
| 20625 | Posaconazole Impurity 68                    | VS-P072102 | N/A          |
| 20626 | Posaconazole Impurity 69                    | VS-P072103 | N/A          |
| 20627 | Posaconazole Impurity 70                    | VS-P072104 | 213381-02-3  |
| 20628 | Posaconazole Impurity 71                    | VS-P072105 | 2306297-11-8 |
| 20629 | Posaconazole Impurity 72                    | VS-P072106 | 169436-60-6  |
| 20630 | Posaconazole Impurity 73                    | VS-P072107 | 74853-08-0   |
| 20631 | Posaconazole Impurity 74                    | VS-P072108 | 2199938-47-9 |
| 20632 | Posaconazole Impurity 75                    | VS-P072109 | 169266-09-5  |
| 20633 | Posaconazole Impurity 76                    | VS-P072110 | 169266-10-8  |
| 20634 | Posaconazole Impurity 77                    | VS-P072111 | 161532-54-3  |
| 20635 | Posaconazole Impurity 78                    | VS-P072112 | 2514953-93-4 |
| 20636 | Posaconazole Impurity 79                    | VS-P072113 | N/A          |
| 20637 | Posaconazole Impurity 80                    | VS-P072114 | 184177-88-6  |
| 20638 | Posaconazole Impurity 81                    | VS-P072115 | N/A          |
| 20639 | Posaconazole Impurity 82                    | VS-P072116 | 2306297-05-0 |
| 20640 | Posaconazole Impurity 83                    | VS-P072117 | N/A          |
| 20641 | Posaconazole Diastereoisomer 9 (S,S,S,S)    | VS-P072118 | 1246391-73-0 |
| 20642 | [(2S,3S)-2-(benzyloxy)pentan-3-yl]hydrazine | VS-P072119 | 183871-36-5  |
| 20643 | Posaconazole Nitroso Impurity 1             | VS-P072120 | NA           |
| 20644 | Posaconazole acetic acid ester              | VS-P072121 | NA           |
| 20645 | Posaconazole Formate Impurity               | VS-P072122 | 2069239-68-3 |

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| 20646 | Pralatrexate                                     | VS-P073000 | 146464-95-1  |
| 20647 | 4-Hydroxy Pralatrexate                           | VS-P073001 | 1548618-61-6 |
| 20648 | 10-Carbomethoxy Pralatrexate                     | VS-P073002 | N/A          |
| 20649 | Des-Glu-Pralatrexate                             | VS-P073003 | 146464-93-9  |
| 20650 | 10-Despropargyl Pralatrexate                     | VS-P073004 | N/A          |
| 20651 | 10-Carbomethoxyethanolester Pralatrexate         | VS-P073005 | N/A          |
| 20652 | $\alpha$ -Monomethylester Pralatrexate           | VS-P073006 | N/A          |
| 20653 | $\gamma$ - Mono methyl ester Pralatrexate        | VS-P073007 | N/A          |
| 20654 | Pralatrexate R-Isomer                            | VS-P073008 | N/A          |
| 20655 | 4-(4-Hydroxy-1-Butynyl)Benzoic Acid Methyl Ester | VS-P073009 | 123910-86-1  |
| 20656 | Diethyl Ester D-Glutamic Acid Hydrochloride      | VS-P073010 | 1001-19-0    |
| 20657 | Pralatrexate Impurity 1                          | VS-P073011 | N/A          |
| 20658 | Pralidoxime Chloride                             | VS-P074000 | 51-15-0      |
| 20659 | (E)-Pralidoxime Chloride                         | VS-P074001 | 14018-50-9   |
| 20660 | (Z)-Pralidoxime Chloride                         | VS-P074002 | 13698-37-8   |
| 20661 | Pralidoxime                                      | VS-P074003 | 6735-59-7    |
| 20662 | Pramipexole                                      | VS-P075000 | 104632-26-0  |
| 20663 | Pramipexole EP Impurity A                        | VS-P075001 | 106092-09-5  |
| 20664 | Pramipexole EP Impurity B (HCl)                  | VS-P075002 | N/A          |
| 20665 | Pramipexole EP Impurity C                        | VS-P075003 | 1973461-14-1 |
| 20666 | Pramipexole Impurity C                           | VS-P075004 | 1147937-31-2 |
| 20667 | Pramipexole EP Impurity D                        | VS-P075005 | 104632-28-2  |
| 20668 | Pramipexole EP Impurity E                        | VS-P075006 | 106006-84-2  |
| 20669 | Pramipexole Related Compound G                   | VS-P075007 | 1001648-71-0 |
| 20670 | Pramipexole(7R)-N-dimer                          | VS-P075008 | 1244656-98-1 |
| 20671 | Pramipexole Carbamic Acid Impurity               | VS-P075009 | N/A          |
| 20672 | Pramipexole Dihydrochloride Monohydrate          | VS-P075010 | 191217-81-9  |
| 20673 | Pramipexole DBTA Impurity                        | VS-P075011 | 1821389-09-6 |
| 20674 | Pramipexole Di-Amide                             | VS-P075012 | 1346617-47-7 |
| 20675 | Pramipexole Ethylamino Analog                    | VS-P075013 | 1254579-15-1 |
| 20676 | Pramipexole N2-Propionyl Impurity                | VS-P075014 | 1801892-43-2 |
| 20677 | Pramipexole Sulfoxide                            | VS-P075015 | N/A          |
| 20678 | Pramipexole Lactose Adduct                       | VS-P075016 | N/A          |
| 20679 | Pramipexole (6R)-Amino Impurity                  | VS-P075017 | 106092-11-9  |
| 20680 | Pramipexole (7R)-Hydroxy Impurity                | VS-P075018 | 2166216-34-6 |
| 20681 | Pramipexole 7-Oxo Impurity                       | VS-P075019 | 1432061-98-7 |
| 20682 | Pramipexaloe formaldehyde Adduct Impurity        | VS-P075020 | 2489686-91-9 |
| 20683 | Pramipexole R-Isomer                             | VS-P075021 | 104632-27-1  |
| 20684 | Pramipexole RS benzimidazolethione analog        | VS-P075022 | N/A          |
| 20685 | Pramipexole SR benzimidazolethione analog        | VS-P075023 | N/A          |
| 20686 | Pramipexole Related Compound F                   | VS-P075024 | N/A          |
| 20687 | 7-Ketopramipexole                                | VS-P075025 | 2204518-89-6 |
| 20688 | Pramipexole Dimer Impurity                       | VS-P075026 | N/A          |
| 20689 | (+/-)Pramipexole                                 | VS-P075027 | 104617-86-9  |
| 20690 | 4-Acetamidocyclohexanol                          | VS-P075028 | 23363-88-4   |
| 20691 | 4-Acetamido-cyclohexanone                        | VS-P075029 | 27514-08-5   |
| 20692 | Pramipexole Dimer                                | VS-P075030 | 1897440-04-8 |

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| 20693 | Pramipexole Impurity 1                                       | VS-P075031 | 136-95-8     |
| 20694 | Pramipexole Impurity 2                                       | VS-P075032 | 104617-75-6  |
| 20695 | Pramipexole Impurity 3                                       | VS-P075033 | N/A          |
| 20696 | Pramipexole Impurity 4                                       | VS-P075034 | N/A          |
| 20697 | Pramipexole Impurity 5                                       | VS-P075035 | 104617-49-4  |
| 20698 | Pramipexole Impurity 6                                       | VS-P075036 | 104618-33-9  |
| 20699 | Pramipexole Impurity 7                                       | VS-P075037 | 104618-32-8  |
| 20700 | Pramipexole Impurity 8                                       | VS-P075038 | 104618-31-7  |
| 20701 | Pramipexole Impurity 9                                       | VS-P075039 | N/A          |
| 20702 | Pramipexole Impurity 10                                      | VS-P075040 | N/A          |
| 20703 | Pramipexole Impurity 11                                      | VS-P075041 | 2101847-09-8 |
| 20704 | Pramipexole Impurity 12                                      | VS-P075042 | N/A          |
| 20705 | Pramipexole Impurity 13                                      | VS-P075043 | N/A          |
| 20706 | Pramipexole Impurity 14                                      | VS-P075044 | N/A          |
| 20707 | Pramipexole Impurity 15                                      | VS-P075045 | 936751-11-0  |
| 20708 | Pramipexole Impurity 16                                      | VS-P075046 | 1246833-75-9 |
| 20709 | Pramipexole Impurity 17                                      | VS-P075047 | 1798014-87-5 |
| 20710 | Pramipexole Impurity 18                                      | VS-P075048 | 2245708-68-1 |
| 20711 | Pramipexole Impurity 19                                      | VS-P075049 | 1148627-61-5 |
| 20712 | Pramipexole EP Impurity B                                    | VS-P075050 | 1246815-83-7 |
| 20713 | N-Nitroso-Pramipexole                                        | VS-P075051 | NA           |
| 20714 | N-Nitroso-Pramipexole-D5                                     | VS-P075052 | NA           |
| 20715 | Pranlukast                                                   | VS-P076000 | 103177-37-3  |
| 20716 | 8-Amino-4-oxo-2-tertrazol-5-yl-4H-1-benzopyran hydrochloride | VS-P076001 | 110683-23-3  |
| 20717 | Prasugrel                                                    | VS-P077000 | 150322-43-3  |
| 20718 | Prasugrel Hydrochloride                                      | VS-P077001 | 389574-19-0  |
| 20719 | Prasugrel Bromobutyryl Impurity                              | VS-P077002 | 1373350-59-4 |
| 20720 | Prasugrel HCl Desacetyloxy Impurity                          | VS-P077003 | 1618108-01-2 |
| 20721 | Desacetyl Hydroxy prasugrel                                  | VS-P077004 | 947502-66-1  |
| 20722 | Prasugrel meta-Fluoro Isomer                                 | VS-P077005 | 1391052-75-7 |
| 20723 | Prasugrel meta-Fluoro Isomer Thiolactone Oxalate             | VS-P077006 | N/A          |
| 20724 | 4-Fluoro Prasugrel                                           | VS-P077007 | 1391194-50-5 |
| 20725 | Prasugrel para-Fluoro Isomer Thiolactone                     | VS-P077008 | 1618107-98-4 |
| 20726 | Prasugrel EP Impurity D                                      | VS-P077009 | 150322-38-6  |
| 20727 | Di-Acetyl Prasugrel HCl Impurity                             | VS-P077010 | 1618107-99-5 |
| 20728 | pyridin-2(3H)-one hydrochloride                              | VS-P077011 | 951380-43-1  |
| 20729 | Prasugrel EP Impurity A (HCl)                                | VS-P077012 | 1391053-53-4 |
| 20730 | Prasugrel EP Impurity B                                      | VS-P077013 | 1391194-39-0 |
| 20731 | Prasugrel EP Impurity E                                      | VS-P077014 | 1056459-37-0 |
| 20732 | Prasugrel EP Impurity F                                      | VS-P077015 | N/A          |
| 20733 | Prasugrel EP Impurity G                                      | VS-P077016 | 1391054-37-7 |
| 20734 | Prasugrel EP Impurity H                                      | VS-P077017 | 109904-26-9  |
| 20735 | Prasugrel EP Impurity I                                      | VS-P077018 | 150322-73-9  |
| 20736 | Prasugrel EP Impurity J                                      | VS-P077019 | 109904-25-8  |
| 20737 | Acetylthienotetrahydropyridine                               | VS-P077020 | 1151904-85-6 |
| 20738 | Prasugrel Iminium Analog                                     | VS-P077021 | N/A          |
| 20739 | Prasugrel Acetyl Isomer Analog                               | VS-P077022 | N/A          |

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| 20740 | Prasugrel Impurity of KSM-II         | VS-P077023 | 2091625-61-3 |
| 20741 | Desacetyl Hydroxy Prasugrel Impurity | VS-P077024 | 201049-74-3  |
| 20742 | Cyclopropyl 3-Fluorobenzyl Ketone    | VS-P077025 | 952722-64-4  |
| 20743 | Prasugrel Impurity 1                 | VS-P077026 | 951380-42-0  |
| 20744 | Prasugrel Impurity 2                 | VS-P077027 | 1618107-96-2 |
| 20745 | Prasugrel Impurity 3                 | VS-P077028 | 1443034-67-0 |
| 20746 | Prasugrel Impurity 4                 | VS-P077029 | 79927-21-2   |
| 20747 | Prasugrel Impurity 5                 | VS-P077030 | 1359829-72-3 |
| 20748 | Prasugrel Impurity 6                 | VS-P077031 | 929211-64-3  |
| 20749 | Prasugrel Impurity 7                 | VS-P077032 | 115473-15-9  |
| 20750 | Prasugrel Impurity 9                 | VS-P077033 | 1100905-45-0 |
| 20751 | Prasugrel Impurity 10                | VS-P077034 | 1373350-58-3 |
| 20752 | Prasugrel Impurity 11                | VS-P077035 | 947502-54-7  |
| 20753 | Prasugrel Impurity 12                | VS-P077036 | 204205-33-4  |
| 20754 | Prasugrel Impurity 14                | VS-P077037 | 1618108-01-2 |
| 20755 | Prasugrel Impurity 15                | VS-P077038 | 1373350-60-7 |
| 20756 | Prasugrel Impurity 16                | VS-P077039 | 1071842-61-9 |
| 20757 | Prasugrel Impurity 17                | VS-P077040 | 1007602-99-4 |
| 20758 | Prasugrel Impurity 18                | VS-P077041 | 916599-27-4  |
| 20759 | Prasugrel Impurity 19                | VS-P077042 | 239466-73-0  |
| 20760 | Prasugrel Impurity 20                | VS-P077043 | 150322-38-6  |
| 20761 | Prasugrel Impurity 22                | VS-P077044 | 1151904-84-5 |
| 20762 | Prasugrel Impurity 23                | VS-P077045 | 1407592-13-5 |
| 20763 | Prasugrel Impurity 24                | VS-P077046 | 150322-22-8  |
| 20764 | Prasugrel Impurity 25                | VS-P077047 | 6704-20-7    |
| 20765 | Prasugrel Impurity 26                | VS-P077048 | 17393-35-0   |
| 20766 | Prasugrel Impurity 27                | VS-P077049 | 88106-31-4   |
| 20767 | Prasugrel Impurity A                 | VS-P077050 | 1391194-45-8 |
| 20768 | Prasugrel Impurity E                 | VS-P077051 | 1391053-98-7 |
| 20769 | Prasugrel Thiol Analog               | VS-P077052 | 204204-73-9  |
| 20770 | Prasugrel Methyl Impurity            | VS-P077053 | N/A          |
| 20771 | Prasugrel Impurity 28                | VS-P077054 | N/A          |
| 20772 | Prasugrel Impurity 29                | VS-P077055 | N/A          |
| 20773 | Prasugrel Impurity 30                | VS-P077056 | N/A          |
| 20774 | Prasugrel Impurity 31                | VS-P077057 | N/A          |
| 20775 | Prasugrel Impurity 32                | VS-P077058 | N/A          |
| 20776 | Prasugrel Impurity 33                | VS-P077059 | N/A          |
| 20777 | Prasugrel Impurity 34                | VS-P077060 | N/A          |
| 20778 | Prasugrel Impurity 35                | VS-P077061 | N/A          |
| 20779 | Prasugrel Impurity 36                | VS-P077062 | N/A          |
| 20780 | Prasugrel Impurity 37                | VS-P077063 | N/A          |
| 20781 | Prasugrel Impurity 38                | VS-P077064 | 14113-94-1   |
| 20782 | Prasugrel Impurity 39                | VS-P077065 | N/A          |
| 20783 | Prasugrel Impurity 40                | VS-P077066 | 1181569-67-4 |
| 20784 | Prasugrel Impurity 41                | VS-P077067 | 1373350-57-2 |
| 20785 | Prasugrel Impurity 42                | VS-P077068 | 1359829-52-9 |
| 20786 | Prasugrel Impurity 43                | VS-P077069 | 1056459-35-8 |

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| 20787 | Prasugrel Carboxyone Impurity                   | VS-P077070 | N/A          |
| 20788 | 2-Desacetoxy Prasugrel                          | VS-P077071 | 201049-78-7  |
| 20789 | DESACETYL PRASUGREL DIASTEREOMER                | VS-P077072 | N/A          |
| 20790 | 5-bromo-1-(2-fluorophenyl)-pentan-2-one         | VS-P077073 | 1373350-56-1 |
| 20791 | Pravastatin Sodium                              | VS-P078001 | 81131-70-6   |
| 20792 | Pravastatin EP Impurity A                       | VS-P078002 | 81176-41-2   |
| 20793 | Pravastatin USP Related Compound A              | VS-P078003 | 81093-43-8   |
| 20794 | Pravastatin EP Impurity B                       | VS-P078004 | 722504-46-3  |
| 20795 | Pravastatin EP Impurity C                       | VS-P078005 | 159225-12-4  |
| 20796 | Pravastatin EP Impurity D                       | VS-P078006 | 85956-22-5   |
| 20797 | Pravastatin EP Impurity E                       | VS-P078007 | 722504-45-2  |
| 20798 | Pravastatin EP Impurity F                       | VS-P078008 | 151061-28-8  |
| 20799 | Pravastatin EP Impurity G                       | VS-P078009 | 720666-74-0  |
| 20800 | Pravastatin Impurity G                          | VS-P078010 | 136590-28-8  |
| 20801 | Pravastatin Deshydroxy Impurity                 | VS-P078011 | 73573-88-3   |
| 20802 | Pravastatin 2,3-Anhydro Acid Sodium Salt        | VS-P078012 | N/A          |
| 20803 | Pravastatin 2,3-Anhydro Lactone                 | VS-P078013 | 1114834-63-7 |
| 20804 | Pravastatin Lactone Diol                        | VS-P078014 | 159345-93-4  |
| 20805 | Pravastatin 3-beta-Hydroxy Lactone              | VS-P078015 | 87984-67-6   |
| 20806 | Pravastatin 3-alpha-Hydroxy Lactone             | VS-P078016 | 85798-96-5   |
| 20807 | Pravastatin TMBA Salt                           | VS-P078017 | 151006-14-3  |
| 20808 | Pravastatin Dihydronaphthalene Lactone Impurity | VS-P078018 | N/A          |
| 20809 | Pravastatin 6-Oxo Impurity                      | VS-P078019 | 201423-59-8  |
| 20810 | Pravastatin Impurity 1                          | VS-P078020 | 149607-09-0  |
| 20811 | Praziquantel                                    | VS-P079000 | 55268-74-1   |
| 20812 | (R)-Praziquantel                                | VS-P079001 | 57452-98-9   |
| 20813 | (S)-Praziquantel                                | VS-P079002 | 57452-97-8   |
| 20814 | Praziquantel Oxide Impurity                     | VS-P079003 | 180342-63-6  |
| 20815 | Praziquantel EP Impurity A                      | VS-P079004 | 54761-87-4   |
| 20816 | Praziquantel EP Impurity B                      | VS-P079005 | 125273-86-1  |
| 20817 | Praziquantel EP Impurity C                      | VS-P079006 | 125273-88-3  |
| 20818 | Praziquantel Impurity E                         | VS-P079007 | N/A          |
| 20819 | Praziquantel Impurity G                         | VS-P079008 | 1983968-79-1 |
| 20820 | Praziquantel Impurity 1                         | VS-P079009 | 60743-58-0   |
| 20821 | Praziquantel Impurity 2                         | VS-P079010 | 61196-37-0   |
| 20822 | Praziquantel Impurity 3                         | VS-P079011 | 94494-35-6   |
| 20823 | Praziquantel Impurity 4                         | VS-P079012 | 53182-00-6   |
| 20824 | Praziquantel Impurity 5                         | VS-P079013 | N/A          |
| 20825 | Praziquantel Impurity 6                         | VS-P079014 | N/A          |
| 20826 | Praziquantel Impurity 7                         | VS-P079015 | 54879-88-8   |
| 20827 | Praziquantel Impurity 8                         | VS-P079016 | 1380603-46-2 |
| 20828 | Praziquantel Impurity 9                         | VS-P079017 | 90142-14-6   |
| 20829 | Praziquantel Impurity 10                        | VS-P079018 | 304690-43-5  |
| 20830 | Prazosin Hydrochloride                          | VS-P080000 | 19237-84-4   |
| 20831 | Prazosin EP Impurity A                          | VS-P080001 | 23680-84-4   |
| 20832 | Prazosin EP Impurity B                          | VS-P080002 | 31350-27-3   |
| 20833 | Prazosin EP Impurity C                          | VS-P080003 | 60547-97-9   |

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| 20834 | Prazosin Hydrochloride EP Impurity D            | VS-P080004 | 60548-09-6   |
| 20835 | Prazosin Oxalate EP Impurity D                  | VS-P080005 | 2668266-50-8 |
| 20836 | Prazosin EP Impurity E                          | VS-P080006 | 102839-00-9  |
| 20837 | Prazosin EP Impurity E 2HCl                     | VS-P080007 | 1486464-41-8 |
| 20838 | 2-Furoic acid                                   | VS-P080008 | 88-14-2      |
| 20839 | Prazosin Tetrahydro Impurity                    | VS-P080009 | 63590-64-7   |
| 20840 | Prazosin Tetrahydro Impurity 2                  | VS-P080010 | 664347-52-8  |
| 20841 | Prazosin                                        | VS-P080011 | 19216-56-9   |
| 20842 | Prednicarbate                                   | VS-P081000 | 73771-04-7   |
| 20843 | Prednicarbate EP Impurity A                     | VS-P081001 | 50-24-8      |
| 20844 | Prednicarbate EP Impurity B                     | VS-P081002 | 104286-02-4  |
| 20845 | Prednicarbate EP Impurity C                     | VS-P081003 | 5740-62-5    |
| 20846 | Prednicarbate EP Impurity D                     | VS-P081004 | 2205-88-1    |
| 20847 | Prednicarbate EP Impurity E                     | VS-P081005 | 671225-23-3  |
| 20848 | Prednicarbate EP Impurity F                     | VS-P081006 | 671225-26-6  |
| 20849 | Prednicarbate EP Impurity G                     | VS-P081007 | N/A          |
| 20850 | Prednisolone                                    | VS-P082000 | 50-24-8      |
| 20851 | Prednisolone EP Impurity A                      | VS-P082001 | 50-23-7      |
| 20852 | Prednisolone EP Impurity A Hydrochloride        | VS-P082002 | 393782-60-0  |
| 20853 | Prednisolone Impurity A                         | VS-P082003 | N/A          |
| 20854 | Prednisolone EP Impurity B                      | VS-P082004 | 53-03-2      |
| 20855 | Prednisolone EP Impurity B Hydrochloride        | VS-P082005 | 906334-65-4  |
| 20856 | Prednisolone EP Impurity C                      | VS-P082006 | 52-21-1      |
| 20857 | Prednisolone Impurity C                         | VS-P082007 | 3754-05-0    |
| 20858 | Prednisolone EP Impurity D                      | VS-P082008 | 16355-29-6   |
| 20859 | Prednisolone EP Impurity E                      | VS-P082009 | 95815-58-0   |
| 20860 | Prednisolone EP Impurity F                      | VS-P082010 | 600-90-8     |
| 20861 | Prednisolone Related Compound F                 | VS-P082011 | N/A          |
| 20862 | Prednisolone EP Impurity G                      | VS-P082012 | 2299-46-9    |
| 20863 | Prednisolone EP Impurity H                      | VS-P082013 | 2427-64-7    |
| 20864 | Prednisolone EP Impurity I                      | VS-P082014 | 13479-38-4   |
| 20865 | Prednisolone EP Impurity J                      | VS-P082015 | 1807-14-3    |
| 20866 | Prednisolone 20 $\alpha$ -Hydroxy Impurity      | VS-P082016 | 15847-24-2   |
| 20867 | Prednisolone Sodium Phosphate USP Impurity A    | VS-P082017 | N/A          |
| 20868 | Prednisolone Sodium Phosphate USP Impurity B    | VS-P082018 | 37927-29-0   |
| 20869 | Prednisolone Sodium Phosphate USP Impurity D    | VS-P082019 | 898-84-0     |
| 20870 | Prednisolone Sodium Phosphate USP Impurity E    | VS-P082020 | N/A          |
| 20871 | Prednisolone Sodium Phosphate USP Impurity F    | VS-P082021 | N/A          |
| 20872 | Prednisolone Acetate EP Impurity D              | VS-P082022 | 20423-99-8   |
| 20873 | Prednisolone D-homo B Derivative                | VS-P082023 | N/A          |
| 20874 | Prednisolone Sodium succinate                   | VS-P082024 | 1715-33-9    |
| 20875 | 6 $\alpha$ ,9 $\alpha$ -Difluoroprednisolone    | VS-P082025 | 806-29-1     |
| 20876 | Difluoroprednisolone 17,21-acetate              | VS-P082026 | 23641-05-6   |
| 20877 | Prednisolone D-Homo A derivative                | VS-P082027 | N/A          |
| 20878 | Prednisolone-21-carboxylic Acid                 | VS-P082028 | 61549-70-0   |
| 20879 | Prednisolone Sodium Phosphate Impurity Isomer 1 | VS-P082029 | N/A          |
| 20880 | Prednisolone Sodium Diphosphate Derivative      | VS-P082030 | N/A          |



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| 20881 | Prednisolone Sodium Phosphate Isomer II                 | VS-P082031 | N/A          |
| 20882 | Prednisolone Sodium Phosphate Isomer III                | VS-P082032 | N/A          |
| 20883 | 21 Dehydro Prednisolone                                 | VS-P082033 | 22420-16-2   |
| 20884 | 6 $\alpha$ -Methyl Prednisolone Aceponate               | VS-P082034 | 86401-95-8   |
| 20885 | Isoflupredone disodium phosphate                        | VS-P082035 | 94088-00-3   |
| 20886 | 16-Beta-17-Alpha Hydroxy Prednisolone                   | VS-P082036 | 2408699-72-7 |
| 20887 | 9-Hydroxy Prednisolone                                  | VS-P082037 | N/A          |
| 20888 | 16-beta hydroxy Prednisolone                            | VS-P082038 | 218965-19-6  |
| 20889 | 16-alpha-17-beta Hydroxy Prednisolone                   | VS-P082039 | N/A          |
| 20890 | Prednisolone Epoxide-Triene Impurity                    | VS-P082040 | N/A          |
| 20891 | 11-a.-hydroxyprednisolone sodium phosphate              | VS-P082041 | N/A          |
| 20892 | Prednisolone D-homo A Derivative                        | VS-P082042 | 95615-71-7   |
| 20893 | Prednisolone D-homo Derivative                          | VS-P082043 | 1201919-18-7 |
| 20894 | 6 $\alpha$ ,9 $\alpha$ -Difluoroprednisolone 17-Acetate | VS-P082044 | 23674-85-3   |
| 20895 | Prednisolone carbonate                                  | VS-P082045 | 133991-63-6  |
| 20896 | Isoflupropedone-21 phosphate                            | VS-P082046 | 432-44-0     |
| 20897 | Prednisolone 17-carbonate                               | VS-P082047 | 104286-02-4  |
| 20898 | 16 $\alpha$ -Methyl Prednisolone                        | VS-P082048 | 10417-63-7   |
| 20899 | 17-Deshydroxyacetyl 17-Carbonyl Prednisolone            | VS-P082049 | 167997-18-4  |
| 20900 | 16,17-Dehydro-21-hydroxyl prednisolone                  | VS-P082050 | N/A          |
| 20901 | Delta-6-Prednisolone Acetate                            | VS-P082051 | 2427-45-4    |
| 20902 | Prednisolone 17-Acetate                                 | VS-P082052 | 52628-64-5   |
| 20903 | 6-Alpha Hydroxyl Pednisolone                            | VS-P082053 | 95909-33-4   |
| 20904 | 9- Bromo Prednisolone Acetate                           | VS-P082054 | 4224-31-1    |
| 20905 | Prednisolone Impurity 2                                 | VS-P082055 | 4380-55-6    |
| 20906 | Prednisolone Impurity 3                                 | VS-P082056 | 98523-85-4   |
| 20907 | Prednisolone Impurity 4                                 | VS-P082057 | N/A          |
| 20908 | Prednisolone Impurity 5                                 | VS-P082058 | 2141-22-2    |
| 20909 | Prednisolone Impurity 6                                 | VS-P082059 | 33903-70-7   |
| 20910 | Prednisolone Impurity 7                                 | VS-P082060 | 111186-92-6  |
| 20911 | Prednisolone Impurity 8                                 | VS-P082061 | 96580-08-4   |
| 20912 | Prednisolone Impurity 9                                 | VS-P082062 | 115097-56-8  |
| 20913 | Prednisolone Impurity 10 (Z-E Isomers)                  | VS-P082063 | 97830-94-9   |
| 20914 | Prednisolone Impurity 11                                | VS-P082064 | 118866-09-4  |
| 20915 | Prednisolone Impurity 12                                | VS-P082065 | N/A          |
| 20916 | Prednisolone Impurity 13                                | VS-P082066 | N/A          |
| 20917 | Prednisolone Impurity 14                                | VS-P082067 | N/A          |
| 20918 | Prednisolone Impurity 15                                | VS-P082068 | 75448-51-0   |
| 20919 | Prednisolone Impurity 16                                | VS-P082069 | N/A          |
| 20920 | Prednisolone Impurity 17                                | VS-P082070 | N/A          |
| 20921 | Prednisolone Impurity 19                                | VS-P082071 | N/A          |
| 20922 | Prednisolone Impurity 20                                | VS-P082072 | 68791-68-4   |
| 20923 | Prednisolone Impurity 21                                | VS-P082073 | N/A          |
| 20924 | Prednisolone Impurity 22                                | VS-P082074 | 75448-52-1   |
| 20925 | Prednisolone Impurity 23                                | VS-P082075 | N/A          |
| 20926 | Prednisolone Impurity 24                                | VS-P082076 | N/A          |
| 20927 | 9 $\alpha$ -Fluoro Prednisolone 17-Butyrate-21-acetate  | VS-P082077 | NA           |

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| 20928 | Prednisolone Pivalate                    | VS-P082078 | 1107-99-9    |
| 20929 | Prednisolone Sodium Phosphate            | VS-P083000 | 125-02-0     |
| 20930 | Prednisolone Sodium Phosphate Impurity 2 | VS-P083001 | N/A          |
| 20931 | Prednisone                               | VS-P084000 | 53-03-2      |
| 20932 | Prednisone HCl                           | VS-P084001 | 906334-65-4  |
| 20933 | Prednisone EP Impurity A                 | VS-P084002 | 53-06-5      |
| 20934 | Prednisone EP Impurity A Sodium salt     | VS-P084003 | 885458-00-4  |
| 20935 | Prednisone EP Impurity A Sulfate salt    | VS-P084004 | 58798-78-0   |
| 20936 | Prednisone EP Impurity B                 | VS-P084005 | 50-24-8      |
| 20937 | Prednisone EP Impurity C                 | VS-P084006 | 70522-55-3   |
| 20938 | Prednisone EP Impurity D                 | VS-P084007 | 10184-69-7   |
| 20939 | Prednisone EP Impurity E                 | VS-P084008 | 125-10-0     |
| 20940 | Prednisone EP Impurity J                 | VS-P084009 | 78261-67-3   |
| 20941 | Prednisone EP Impurity K                 | VS-P084010 | 7738-93-4    |
| 20942 | Prednisone EP Impurity L                 | VS-P084011 | 52-21-1      |
| 20943 | Prednisone Impurity 4                    | VS-P084012 | 118724-35-9  |
| 20944 | Prednisone Impurity 6                    | VS-P084013 | 57099-40-8   |
| 20945 | Prednisone Impurity 7                    | VS-P084014 | 37413-91-5   |
| 20946 | Pregabalin                               | VS-P085000 | 148553-50-8  |
| 20947 | 4-methyl-Valeraldehyde                   | VS-P085001 | 1119-16-0    |
| 20948 | Pregabalin USP Related Compound C        | VS-P085002 | 61312-87-6   |
| 20949 | rac-Pregabalin                           | VS-P085003 | 128013-69-4  |
| 20950 | Isobutylglutaramonoamide                 | VS-P085004 | 181289-33-8  |
| 20951 | (S)-4,5-Dehydro Pregabalin               | VS-P085005 | 1141362-54-0 |
| 20952 | Pregabalin Amide Lactose Adduct          | VS-P085006 | 466678-44-4  |
| 20953 | Pregabalin Dimer Impurity                | VS-P085007 | 2361911-35-3 |
| 20954 | Pregabalin Dimer Impurity Racemic        | VS-P085008 | N/A          |
| 20955 | Pregabalin Trimer Impurity               | VS-P085009 | N/A          |
| 20956 | Pregabalin Diacid Impurity               | VS-P085010 | 5702-99-8    |
| 20957 | Pregabalin Succinimide Impurity          | VS-P085011 | 164597-78-8  |
| 20958 | Pregabalin Amide Ester Impurity          | VS-P085012 | N/A          |
| 20959 | N-Formyl Pregabalin                      | VS-P085013 | 1488274-42-5 |
| 20960 | Lactose Conjugates Impurity 2            | VS-P085014 | 466678-45-5  |
| 20961 | 2,3-dehydro Pregabalin                   | VS-P085015 | 1956426-34-8 |
| 20962 | (R)-4,5-dehydro Pregabalin               | VS-P085016 | 1101167-84-3 |
| 20963 | (R)-5,6-dehydro Pregabalin               | VS-P085017 | N/A          |
| 20964 | (S)-5,6-dehydro Pregabalin               | VS-P085018 | 1141362-94-8 |
| 20965 | Pregabalin Methyl Carbamate              | VS-P085019 | 930280-44-7  |
| 20966 | Pregabalin Sec Amide                     | VS-P085020 | 930585-94-7  |
| 20967 | Pregabalin Amine Amide Impurity          | VS-P085021 | 1567946-71-7 |
| 20968 | Pregabalin Lactose Aduct II              | VS-P085022 | N/A          |
| 20969 | Pregabalin EP Impurity A                 | VS-P085023 | 181289-23-6  |
| 20970 | Pregabalin EP Impurity B                 | VS-P085024 | 148553-51-9  |
| 20971 | Pregabalin EP Impurity C                 | VS-P085025 | 90-64-2      |
| 20972 | Pregabalin EP Impurity D                 | VS-P085026 | 4118-51-8    |
| 20973 | Pregabalin Impurity E                    | VS-P085027 | 1239692-16-0 |
| 20974 | Pregabalin Impurity 1                    | VS-P085028 | 1568181-40-7 |

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| 20975 | Pregabalin Impurity 2                 | VS-P085029 | 1136478-30-2 |
| 20976 | rac 4,5-Dehydro Pregabalin            | VS-P085030 | 216576-74-8  |
| 20977 | Pregabalin Impurity 4                 | VS-P085031 | 75143-89-4   |
| 20978 | Pregabalin Impurity 5                 | VS-P085032 | 181289-15-6  |
| 20979 | Pregabalin Impurity 6                 | VS-P085033 | 103011-96-7  |
| 20980 | Pregabalin Impurity 7                 | VS-P085034 | 1374336-43-2 |
| 20981 | Pregabalin Impurity 8                 | VS-P085035 | 185815-56-9  |
| 20982 | Pregabalin Impurity 9                 | VS-P085036 | 916982-10-0  |
| 20983 | Pregabalin Impurity 10                | VS-P085037 | 181289-34-9  |
| 20984 | Pregabalin Impurity 11                | VS-P085038 | N/A          |
| 20985 | Pregabalin Impurity 12                | VS-P085039 | 466678-46-6  |
| 20986 | Pregabalin Impurity 13                | VS-P085040 | 466678-47-7  |
| 20987 | Pregabalin Impurity 14                | VS-P085041 | N/A          |
| 20988 | Pregabalin Impurity 15                | VS-P085042 | 1094517-98-2 |
| 20989 | Pregabalin Impurity 16                | VS-P085043 | N/A          |
| 20990 | Pregabalin Impurity 17                | VS-P085044 | N/A          |
| 20991 | Pregabalin Impurity 18                | VS-P085045 | 1990538-03-8 |
| 20992 | Pregabalin Impurity 19                | VS-P085046 | N/A          |
| 20993 | Pregabalin Impurity 20                | VS-P085047 | N/A          |
| 20994 | Pregabalin Impurity 21                | VS-P085048 | N/A          |
| 20995 | Pregabalin Impurity 22                | VS-P085049 | 501666-22-4  |
| 20996 | Pregabalin Impurity 23                | VS-P085050 | 501666-25-7  |
| 20997 | Pregabalin Impurity 24                | VS-P085051 | N/A          |
| 20998 | Pregabalin Impurity 25                | VS-P085052 | 3886-96-9    |
| 20999 | Pregabalin Impurity 26                | VS-P085053 | 184838-77-5  |
| 21000 | Pregabalin Impurity 27                | VS-P085054 | 172796-26-8  |
| 21001 | Pregabalin Impurity 28                | VS-P085055 | 1101167-78-5 |
| 21002 | Pregabalin Impurity 29                | VS-P085056 | 1094517-69-7 |
| 21003 | Pregabalin Impurity 30                | VS-P085057 | 145328-03-6  |
| 21004 | Pregabalin Impurity 31                | VS-P085058 | 156048-92-9  |
| 21005 | Pregabalin Impurity 32                | VS-P085059 | 181289-25-8  |
| 21006 | Pregabalin 5-ENE impurity             | VS-P085060 | NA           |
| 21007 | Pregabalin 4-Ene Impurity             | VS-P085061 | NA           |
| 21008 | Pregabalin Impurity-J                 | VS-P085062 | NA           |
| 21009 | Pregabalin Carbonitrile               | VS-P085063 | 861318-48-1  |
| 21010 | Pregabalin Lactose Conjugate Impurity | VS-P085064 | NA           |
| 21011 | Pregnenolone Isobutyrate              | VS-P086001 | N/A          |
| 21012 | Pretomanid                            | VS-P087000 | 187235-37-6  |
| 21013 | 2-Bromo-4-Nitroimidazole              | VS-P087001 | 65902-59-2   |
| 21014 | Pretomanid Dimer Impurity             | VS-P087002 | N/A          |
| 21015 | Pretomanid Impurity 2                 | VS-P087003 | N/A          |
| 21016 | Pretomanid Impurity 3                 | VS-P087004 | 1261679-35-9 |
| 21017 | Pretomanid Impurity 4                 | VS-P087005 | 1263187-37-6 |
| 21018 | Pretomanid Impurity 5                 | VS-P087006 | 2151045-16-6 |
| 21019 | Pretomanid Impurity 6                 | VS-P087007 | N/A          |
| 21020 | Pretomanid Impurity 7                 | VS-P087008 | 2512206-85-6 |
| 21021 | Pretomanid Impurity 8                 | VS-P087009 | NA           |

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| 21022 | Pretomanid Impurity 9                  | VS-P087010 | 1809063-81-7 |
| 21023 | Pretomanid Impurity 10                 | VS-P087011 | 24331-72-4   |
| 21024 | Pretomanid Impurity 11                 | VS-P087012 | NA           |
| 21025 | Pretomanid Impurity 12                 | VS-P087013 | NA           |
| 21026 | Pridinol                               | VS-P088000 | 511-45-5     |
| 21027 | Pridinol Impurity 1                    | VS-P088001 | 53639-82-0   |
| 21028 | Prilocaine                             | VS-P089000 | 721-50-6     |
| 21029 | Prilocaine EP Impurity A               | VS-P089001 | 19281-31-3   |
| 21030 | Prilocaine EP Impurity B               | VS-P089002 | 95-53-4      |
| 21031 | Prilocaine EP Impurity C               | VS-P089003 | 42459-37-0   |
| 21032 | Prilocaine EP Impurity D               | VS-P089004 | 875252-65-6  |
| 21033 | Prilocaine EP Impurity E               | VS-P089005 | 744961-76-0  |
| 21034 | Prilocaine EP Impurity F               | VS-P089006 | 42459-45-0   |
| 21035 | Prilocaine EP Impurity G               | VS-P089007 | 145133-92-2  |
| 21036 | Prilocaine Impurity 1                  | VS-P089008 | 677029-53-7  |
| 21037 | Prilocaine Impurity 2                  | VS-P089009 | 2509057-86-5 |
| 21038 | Prilocaine Impurity 3                  | VS-P089010 | 809282-45-9  |
| 21039 | Prilocaine Hydrochloride               | VS-P089011 | 1786-81-8    |
| 21040 | Prilocaine EP Impurity B (HCl salt)    | VS-P089012 | 636-21-5     |
| 21041 | Prilocaine Nitroso Impurity 1          | VS-P089013 | 211490-46-9  |
| 21042 | Primapterin                            | VS-P090000 | 2582-88-9    |
| 21043 | L- Primapterin                         | VS-P090001 | 2636-52-4    |
| 21044 | Quinonoid-(6R)-dihydro-biopterin       | VS-P090002 | 102340-67-0  |
| 21045 | Primidone                              | VS-P091000 | 125-33-7     |
| 21046 | Primidone EP Impurity A                | VS-P091001 | 7206-76-0    |
| 21047 | Primidone EP Impurity B                | VS-P091002 | 50-06-6      |
| 21048 | Primidone EP Impurity C                | VS-P091003 | 90-26-6      |
| 21049 | Primidone EP Impurity D                | VS-P091004 | 80544-75-8   |
| 21050 | Primidone EP Impurity E                | VS-P091005 | 90-27-7      |
| 21051 | Primidone EP Impurity F                | VS-P091006 | 1189504-46-8 |
| 21052 | Probenecid                             | VS-P092000 | 57-66-9      |
| 21053 | Probenecid EP Impurity A               | VS-P092001 | 636-78-2     |
| 21054 | Probenecid EP Impurity B               | VS-P092002 | 723-42-2     |
| 21055 | Probenecid EP Impurity C               | VS-P092003 | N/A          |
| 21056 | Probenecid EP Impurity D               | VS-P092004 | 70190-76-0   |
| 21057 | Procainamide Hydrochloride             | VS-P093001 | 614-39-1     |
| 21058 | Prochlorperazine Dimaleate             | VS-P094001 | 84-02-6      |
| 21059 | Prochlorperazine EP Impurity A         | VS-P094002 | 10078-27-0   |
| 21060 | Prochlorperazine EP Impurity B         | VS-P094003 | 84-97-9      |
| 21061 | Prochlorperazine EP Impurity C         | VS-P094004 | N/A          |
| 21062 | Prochlorperazine EP Impurity D         | VS-P094005 | 92-39-7      |
| 21063 | Prochlorperazine Edisylate             | VS-P094006 | 1257-78-9    |
| 21064 | 4-Chlorophenothiazine                  | VS-P094007 | 7369-69-9    |
| 21065 | 7-Hydroxy Prochlorperazine             | VS-P094008 | 52172-19-7   |
| 21066 | Prochlorperazine 4-Chloro Isomer       | VS-P094009 | N/A          |
| 21067 | N-Desmethyl Prochlorperazine Dimaleate | VS-P094010 | 13500-92-0   |
| 21068 | Prochlorperazine Sulfinyl-5-Oxide      | VS-P094011 | 879495-68-8  |

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| 21069 | Prochlorperazine Impurity 1                                                     | VS-P094012 | 150111-55-0  |
| 21070 | Prochlorperazine Impurity 2                                                     | VS-P094013 | N/A          |
| 21071 | Prochlorperazine Impurity 3                                                     | VS-P094014 | N/A          |
| 21072 | Prochlorperazine Impurity 4                                                     | VS-P094015 | N/A          |
| 21073 | Prochlorperazine Impurity 5                                                     | VS-P094016 | 49780-18-9   |
| 21074 | Prochlorperazine Impurity 6                                                     | VS-P094017 | N/A          |
| 21075 | Prochlorperazine Impurity 7                                                     | VS-P094018 | N/A          |
| 21076 | Prochlorperazine Impurity 8                                                     | VS-P094019 | N/A          |
| 21077 | Prochlorperazine Impurity 9                                                     | VS-P094020 | N/A          |
| 21078 | Prochlorperazine Impurity 10                                                    | VS-P094021 | 500305-74-8  |
| 21079 | Prochlorperazine Impurity 11                                                    | VS-P094022 | 61174-11-6   |
| 21080 | Prochlorperazine Impurity 12                                                    | VS-P094023 | 1910-85-6    |
| 21081 | Prochlorperazine Impurity 13                                                    | VS-P094024 | 1207-99-4    |
| 21082 | DIETHYL SULFONATE PROCHLORPERAZINE EDISYLATE IMPURITY                           | VS-P094025 | 500692-41-1  |
| 21083 | DIMETHYL SULFONATE PROCHLORPERAZINE EDISYLATE IMPURITY                          | VS-P094026 | NA           |
| 21084 | Procyclidine Hydrochloride                                                      | VS-P095001 | 1508-76-5    |
| 21085 | Procyclidine Hydrochloride Impurity 1                                           | VS-P095002 | N/A          |
| 21086 | Progesterone                                                                    | VS-P096000 | 57-83-0      |
| 21087 | Progesterone EP Impurity A                                                      | VS-P096001 | 24377-08-0   |
| 21088 | Progesterone EP Impurity B                                                      | VS-P096002 | 145-14-2     |
| 21089 | Progesterone EP Impurity C                                                      | VS-P096003 | 145-15-3     |
| 21090 | Progesterone EP Impurity D                                                      | VS-P096004 | 06-09-35     |
| 21091 | Progesterone EP Impurity E                                                      | VS-P096005 | 5062-62-4    |
| 21092 | Progesterone Impurity F                                                         | VS-P096006 | 2257421-78-4 |
| 21093 | Progesterone EP Impurity G                                                      | VS-P096007 | 2257421-79-5 |
| 21094 | Progesterone EP Impurity H                                                      | VS-P096008 | 1162-56-7    |
| 21095 | Progesterone EP Impurity I                                                      | VS-P096009 | 24254-01-1   |
| 21096 | Progesterone EP Impurity J                                                      | VS-P096010 | 1162-54-5    |
| 21097 | Progesterone EP Impurity K                                                      | VS-P096011 | 17652-16-3   |
| 21098 | Progesterone EP Impurity L                                                      | VS-P096012 | 2257421-80-8 |
| 21099 | Progesterone EP Impurity M                                                      | VS-P096013 | 2000-66-0    |
| 21100 | Progesterone Bisnoraldehyde Impurity                                            | VS-P096014 | 81201-82-3   |
| 21101 | Medroxyprogesterone EP Impurity A                                               | VS-P096015 | 984-47-4     |
| 21102 | Medroxyprogesterone (Medroxyprogesterone EP Impurity B)                         | VS-P096016 | 520-85-4     |
| 21103 | Medroxyprogesterone EP Impurity D (6-epi-Medroxy Progesterone Acetate)          | VS-P096017 | 2242-65-1    |
| 21104 | Medroxyprogesterone EP Impurity E                                               | VS-P096018 | 32634-95-0   |
| 21105 | Medroxyprogesterone EP Impurity F (4,5-beta-Dihydromedroxyprogesterone acetate) | VS-P096019 | 69688-15-9   |
| 21106 | Medroxyprogesterone EP Impurity H                                               | VS-P096020 | 302-23-8     |
| 21107 | 1,2-Dehydro Medroxyprogesterone                                                 | VS-P096021 | 3660-13-7    |
| 21108 | Medroxyprogesterone Acetate                                                     | VS-P096022 | 71-58-9      |
| 21109 | Medroxyprogesterone Acetate EP Impurity C                                       | VS-P096023 | N/A          |
| 21110 | Medroxyprogesterone Acetate EP Impurity G                                       | VS-P096024 | 595-33-5     |
| 21111 | Medroxyprogesterone Acetate EP Impurity I                                       | VS-P096025 | N/A          |
| 21112 | 2-beta, 6-beta-Dihydroxy-Medroxyprogesterone Acetate                            | VS-P096026 | 1072923-66-0 |
| 21113 | Allopregnenolone (3-Beta Isomer)                                                | VS-P096027 | 566-61-0     |

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| 21114 | Allopregnanolone (3-Alpha Isomer)                                                                    | VS-P096028 | 516-54-1     |
| 21115 | Allopregnanolone Impurity 1                                                                          | VS-P096029 | N/A          |
| 21116 | Allopregnanolone Impurity 2                                                                          | VS-P096030 | 570-64-9     |
| 21117 | Progesterone 6-Oxo Impurity                                                                          | VS-P096031 | 05-08-43     |
| 21118 | Progesterone 6-beta-Hydroxy Impurity                                                                 | VS-P096032 | 604-19-3     |
| 21119 | Progesterone 6-alfa-Hydroxy Impurity                                                                 | VS-P096033 | 604-20-6     |
| 21120 | 6-Bromo-delta 6-chloro-acetoxypregesterone                                                           | VS-P096034 | N/A          |
| 21121 | Delta-6-Acetoxypregesterone                                                                          | VS-P096035 | 425-51-4     |
| 21122 | Delmadinone Acetate                                                                                  | VS-P096036 | 13698-49-2   |
| 21123 | Progesterone 20-Hydroxy Impurity (Pregn-4-ene-20-Carboxaldehyde)                                     | VS-P096037 | 151122-70-2  |
| 21124 | 16-delta Progesterone                                                                                | VS-P096038 | 1096-38-4    |
| 21125 | 5-alpha-Dihydro Progestrone                                                                          | VS-P096039 | 566-65-4     |
| 21126 | 6 $\alpha$ -Hydroxy Medroxy Progesterone 17-Acetate                                                  | VS-P096040 | 984-46-3     |
| 21127 | Pregn-5-ene-3,20-diol monohydrogen sulfate                                                           | VS-P096041 | 4857-40-3    |
| 21128 | 5 $\alpha$ -Pregnan-3 $\beta$ -20 $\beta$ -diol-3-sulphate Sodium salt                               | VS-P096042 | 215855-85-9  |
| 21129 | (3 $\beta$ , 20S)-Pregn-5-ene-3,17,20-triol Sulfate                                                  | VS-P096043 | 02-06-80     |
| 21130 | 5 $\alpha$ -pregnan-3 $\beta$ , 20 $\beta$ -diol-20-sulphate                                         | VS-P096044 | 888713-05-1  |
| 21131 | 11 $\alpha$ -Hydroxy Progesterone                                                                    | VS-P096045 | 80-75-1      |
| 21132 | 11-Keto Progesterone                                                                                 | VS-P096046 | 516-15-4     |
| 21133 | (17 $\alpha$ -alfa)-Hydroxy-6alfa,17 $\alpha$ -dimethyl-D-homoandrost-4-ene-3,17-dione<br>17-Acetate | VS-P096047 | N/A          |
| 21134 | 17-alpha-Hydroxy Progesterone                                                                        | VS-P096048 | 68-96-2      |
| 21135 | (17 $\alpha$ -beta)-Hydroxy-6alfa,17 $\alpha$ -dimethyl-D-homoandrost-4-ene-3,17-dione               | VS-P096049 | N/A          |
| 21136 | 17-beta-Hydroxy Progesterone                                                                         | VS-P096050 | 604-09-1     |
| 21137 | 17-alpha-Hydroxy Progesterone Enanthate                                                              | VS-P096051 | 4596-16-1    |
| 21138 | 17-alpha-Hydroxy Progesterone Valerate                                                               | VS-P096052 | 6677-15-2    |
| 21139 | 17-alpha-Hydroxy Progesterone Caproate                                                               | VS-P096053 | 630-56-8     |
| 21140 | Progesterone Bisnoralcohol                                                                           | VS-P096054 | 40736-33-2   |
| 21141 | Progesterone Intermediate-1                                                                          | VS-P096055 | 83-48-7      |
| 21142 | 11-Methylenelynestrenola                                                                             | VS-P096056 | 54024-12-3   |
| 21143 | 3,11-Dioxoandrosta analog                                                                            | VS-P096057 | 80699-76-9   |
| 21144 | Pregna-4,8-diene-3,20-dione                                                                          | VS-P096058 | 83603-61-6   |
| 21145 | Abridin                                                                                              | VS-P096059 | 73030-56-5   |
| 21146 | Hydroxypregesterone Enanthate                                                                        | VS-P096060 | N/A          |
| 21147 | Hydroxypregesterone Valerate                                                                         | VS-P096061 | N/A          |
| 21148 | 22-N-Piperidino-bisnor-4,20-choladiene-3-one                                                         | VS-P096062 | 24377-48-8   |
| 21149 | Progesterone Impurity 1                                                                              | VS-P096063 | 37717-13-8   |
| 21150 | Progesterone Impurity 2                                                                              | VS-P096064 | 60966-36-1   |
| 21151 | Progesterone Impurity 3                                                                              | VS-P096065 | 14510-23-7   |
| 21152 | Progesterone Impurity 5                                                                              | VS-P096066 | 2477-60-3    |
| 21153 | Progesterone Impurity 6                                                                              | VS-P096067 | 2526-82-1    |
| 21154 | Progesterone Impurity 7                                                                              | VS-P096068 | 3986-89-8    |
| 21155 | Progesterone Impurity 8                                                                              | VS-P096069 | 1667725-56-5 |
| 21156 | Progesterone Impurity 9                                                                              | VS-P096070 | 19427-36-2   |
| 21157 | Progesterone Impurity 10                                                                             | VS-P096071 | 14508-05-5   |
| 21158 | Proguanil                                                                                            | VS-P097000 | 637-32-1     |

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| 21159 | Proguanil EP Impurity A                 | VS-P097001 | 44830-55-9   |
| 21160 | Proguanil EP Impurity B                 | VS-P097002 | 106-47-8     |
| 21161 | Proguanil EP Impurity C                 | VS-P097003 | 13590-88-0   |
| 21162 | Proguanil EP Impurity D                 | VS-P097004 | 45095-69-0   |
| 21163 | Proguanil EP Impurity E                 | VS-P097005 | 1482-62-8    |
| 21164 | Proguanil EP Impurity F                 | VS-P097006 | 537-21-3     |
| 21165 | Proguanil EP Impurity G                 | VS-P097007 | 807308-41-4  |
| 21166 | Promazine                               | VS-P098000 | 58-40-2      |
| 21167 | Promazine Hydrochloride                 | VS-P098001 | 53-60-1      |
| 21168 | 2-(1-Hydroxyethyl) promazine Sulfoxide  | VS-P098002 | 73644-42-5   |
| 21169 | 2-Methoxy Promazine                     | VS-P098003 | 1233-07-4    |
| 21170 | 3-Hydroxypromazine                      | VS-P098004 | 316-85-8     |
| 21171 | Desmethyl Promazine                     | VS-P098005 | 2095-20-7    |
| 21172 | Promazine EP Impurity A                 | VS-P098006 | 146-21-4     |
| 21173 | Promazine Impurity 1                    | VS-P098007 | N/A          |
| 21174 | Promestriene                            | VS-P099000 | 39219-28-8   |
| 21175 | Promethazine Hydrochloride              | VS-P100001 | 58-33-3      |
| 21176 | Promethazine EP Impurity A              | VS-P100002 | 92-84-2      |
| 21177 | Promethazine EP Impurity B              | VS-P100003 | 5568-90-1    |
| 21178 | Promethazine EP Impurity C              | VS-P100004 | 60113-77-1   |
| 21179 | Promethazine EP Impurity D              | VS-P100005 | 7640-51-9    |
| 21180 | Promethazine N-Oxide                    | VS-P100006 | 81480-39-9   |
| 21181 | Promethazine Sulfoxide N-Oxide HCl      | VS-P100007 | 1135334-50-7 |
| 21182 | Promethazine-N-glucuronide              | VS-P100008 | N/A          |
| 21183 | Trimeprazine Sulfoxide                  | VS-P100009 | 10071-07-5   |
| 21184 | 10H-Phenothiazine 5-Oxide               | VS-P100010 | 1207-71-2    |
| 21185 | 10-Acetyl-10H-phenothiazine 5,5-dioxide | VS-P100011 | 1220-99-1    |
| 21186 | Phenothiazine S,S-Dioxide               | VS-P100012 | 1209-66-1    |
| 21187 | Promethazine Impurity 1                 | VS-P100013 | 66820-95-9   |
| 21188 | Promethazine Impurity 2                 | VS-P100014 | N/A          |
| 21189 | N-Nitroso Promethazine Impurity         | VS-P100015 | 94511-44-1   |
| 21190 | N-Nitroso Promethazine EP Impurity A    | VS-P100016 | 36144-72-6   |
| 21191 | Promethazine                            | VS-P100017 | 60-87-7      |
| 21192 | Propafenone EP Impurity A               | VS-P101001 | 3516-95-8    |
| 21193 | Propafenone Related Compound A          | VS-P101002 | N/A          |
| 21194 | Propafenone EP Impurity C               | VS-P101003 | 22525-95-7   |
| 21195 | Propafenone EP Impurity D               | VS-P101004 | 91401-73-9   |
| 21196 | Propafenone EP Impurity E               | VS-P101005 | 165279-79-8  |
| 21197 | Propafenone EP Impurity F               | VS-P101006 | 1329643-40-4 |
| 21198 | Propafenone EP Impurity G               | VS-P101007 | 1346603-80-2 |
| 21199 | Propafenone EP Impurity H               | VS-P101008 | 27439-12-9   |
| 21200 | Propafenone EP Impurity B               | VS-P101009 | N/A          |
| 21201 | 5-Hydroxy Propafenone Hydrochloride     | VS-P101010 | 86383-32-6   |
| 21202 | N-Depropylpropafenone                   | VS-P101011 | 86383-22-4   |
| 21203 | 4'-Hydroxy propafenone HCl              | VS-P101012 | 86383-31-5   |
| 21204 | Flavanone                               | VS-P101013 | 487-26-3     |
| 21205 | Dealkyl propafenone                     | VS-P101014 | 86383-21-3   |

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| 21206 | 5-Hydroxy Propafenone                                  | VS-P101015 | 86384-10-3   |
| 21207 | Propafenone Impurity B                                 | VS-P101016 | 88308-22-9   |
| 21208 | Propafenone Impurity 1                                 | VS-P101017 | 88308-21-8   |
| 21209 | 1-[2-[2-Hydroxy-3-(propylamino)propoxy]phenyl]ethanone | VS-P101018 | 88308-20-7   |
| 21210 | Propafenone                                            | VS-P101019 | 54063-53-5   |
| 21211 | Propafenone Hydrochloride                              | VS-P101020 | 34183-22-7   |
| 21212 | Propafenone Impurity 2                                 | VS-P101021 | 1689982-69-1 |
| 21213 | N-Nitroso-Propafenon                                   | VS-P101022 | NA           |
| 21214 | Propantheline Bromide                                  | VS-P102000 | 50-34-0      |
| 21215 | Propantheline Bromide USP Related Compound A           | VS-P102001 | 93446-02-7   |
| 21216 | Proparacaine                                           | VS-P103000 | 499-67-2     |
| 21217 | Despropyl Proparacaine                                 | VS-P103001 | 2518105-73-0 |
| 21218 | Proparacaine Diethylaminoethoxy Analog                 | VS-P103002 | 2518227-82-0 |
| 21219 | Proparacaine Ethoxy Analog                             | VS-P103003 | 69781-24-4   |
| 21220 | Aminopropoxybenzoic Acid                               | VS-P103004 | 59691-15-5   |
| 21221 | Proparacaine Impurity 1                                | VS-P103005 | 2512217-93-3 |
| 21222 | Propofol                                               | VS-P104000 | 2078-54-8    |
| 21223 | 2,6-Diisopropylbenzoic Acid                            | VS-P104001 | 92035-95-5   |
| 21224 | 4-Hydroxy Propofol                                     | VS-P104002 | 09-10-88     |
| 21225 | Propofol O-Glucuronide                                 | VS-P104003 | 114991-26-3  |
| 21226 | Propofol Benzoate                                      | VS-P104004 | 06-09-05     |
| 21227 | Propofol EP Impurity A                                 | VS-P104005 | 06-05-34     |
| 21228 | Propofol EP Impurity B                                 | VS-P104006 | 74926-89-9   |
| 21229 | Propofol EP Impurity C                                 | VS-P104007 | 88-69-7      |
| 21230 | Propofol EP Impurity D                                 | VS-P104008 | 35946-91-9   |
| 21231 | Propofol EP Impurity E                                 | VS-P104009 | 2416-95-7    |
| 21232 | Propofol EP Impurity F                                 | VS-P104010 | 618-45-1     |
| 21233 | Propofol EP Impurity G                                 | VS-P104011 | 141214-18-8  |
| 21234 | Propofol EP Impurity H                                 | VS-P104012 | 99-89-8      |
| 21235 | Propofol EP Impurity I                                 | VS-P104013 | 101-84-8     |
| 21236 | Propofol EP Impurity J                                 | VS-P104014 | 1988-11-0    |
| 21237 | Propofol EP Impurity K                                 | VS-P104015 | 14366-59-7   |
| 21238 | Propofol EP Impurity L                                 | VS-P104016 | 201166-22-5  |
| 21239 | Propofol EP Impurity N                                 | VS-P104017 | 13423-73-9   |
| 21240 | Propofol EP Impurity O                                 | VS-P104018 | 74663-48-2   |
| 21241 | Propofol EP Impurity P                                 | VS-P104019 | 2095678-97-8 |
| 21242 | Propofol Impurity 1                                    | VS-P104020 | 08-07-34     |
| 21243 | Propofol Impurity 2                                    | VS-P104021 | 2215-21-6    |
| 21244 | Propofol Impurity 3                                    | VS-P104022 | N/A          |
| 21245 | Propofol Impurity 4                                    | VS-P104023 | 40946-46-1   |
| 21246 | Propofol Impurity 5                                    | VS-P104024 | N/A          |
| 21247 | Propofol Impurity 6                                    | VS-P104025 | 859034-02-9  |
| 21248 | Propofol Impurity 7                                    | VS-P104026 | 161070-01-5  |
| 21249 | Propofol Impurity 8                                    | VS-P104027 | N/A          |
| 21250 | Propofol Impurity 9                                    | VS-P104028 | N/A          |
| 21251 | Propofol Impurity 10                                   | VS-P104029 | N/A          |
| 21252 | Propranolol Hydrochloride                              | VS-P105001 | 318-98-9     |



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| 21253 | Propranolol EP Impurity A                 | VS-P105002 | 36112-95-5   |
| 21254 | Propranolol EP Impurity B                 | VS-P105003 | 2172495-51-9 |
| 21255 | Propranolol EP Impurity C                 | VS-P105004 | 17216-10-3   |
| 21256 | Propranolol Bis-ether Impurity            | VS-P105005 | 1236367-67-1 |
| 21257 | Propranolol PEP2 Std                      | VS-P105006 | 2461-42-9    |
| 21258 | Nor Propranolol                           | VS-P105007 | 1246819-85-1 |
| 21259 | Propranolol N-Formyl Impurity             | VS-P105008 | 77252-87-0   |
| 21260 | Propranolol Dimer                         | VS-P105009 | 83314-78-7   |
| 21261 | 4-Hydroxy Propranolol HCl                 | VS-P105010 | 14133-90-5   |
| 21262 | (R)-Propranolol Hydrochloride             | VS-P105011 | 13071-11-9   |
| 21263 | (S)-Propranolol Hydrochloride             | VS-P105012 | 04-10-99     |
| 21264 | Propranolol Glucuronide                   | VS-P105013 | 66322-66-5   |
| 21265 | Propranolol Impurity 1                    | VS-P105014 | N/A          |
| 21266 | Propranolol Impurity 2                    | VS-P105015 | 06-11-07     |
| 21267 | Propranolol Impurity 3                    | VS-P105016 | 1422740-55-3 |
| 21268 | Propranolol Impurity 4                    | VS-P105017 | 20133-93-1   |
| 21269 | Propranolol Impurity 5                    | VS-P105018 | 2007-72-9    |
| 21270 | Propranolol                               | VS-P105019 | 525-66-6     |
| 21271 | Propyl Gallate                            | VS-P106000 | 121-79-9     |
| 21272 | Propyl Gallate EP Impurity A              | VS-P106001 | 149-91-7     |
| 21273 | Methyl Gallate                            | VS-P106002 | 99-24-1      |
| 21274 | Ethyl Gallate                             | VS-P106003 | 831-61-8     |
| 21275 | Protriptyline                             | VS-P107000 | 438-60-8     |
| 21276 | Prucalopride                              | VS-P108000 | 179474-81-8  |
| 21277 | Prucalopride Succinate                    | VS-P108001 | 179474-85-2  |
| 21278 | Prucalopride Hydroxy Impurity             | VS-P108002 | N/A          |
| 21279 | Prucalopride Impurity A                   | VS-P108003 | 137211-64-4  |
| 21280 | Prucalopride Impurity B                   | VS-P108004 | 182808-16-8  |
| 21281 | Prucalopride Impurity C                   | VS-P108005 | 1900715-98-1 |
| 21282 | Prucalopride Impurity D                   | VS-P108006 | 182808-04-4  |
| 21283 | Prucalopride Impurity E                   | VS-P108007 | 137211-63-3  |
| 21284 | Prucalopride Impurity 1                   | VS-P108008 | 1599434-55-5 |
| 21285 | Prucalopride Impurity 2                   | VS-P108009 | 123654-26-2  |
| 21286 | Prucalopride Impurity 3                   | VS-P108010 | 2181480-01-1 |
| 21287 | Prucalopride Impurity 5                   | VS-P108011 | 1900715-96-9 |
| 21288 | Prucalopride Impurity 6                   | VS-P108012 | 36215-07-3   |
| 21289 | Prucalopride Impurity 7                   | VS-P108013 | 129511-06-4  |
| 21290 | Prucalopride Impurity 8                   | VS-P108014 | 24190-77-0   |
| 21291 | Prucalopride Impurity 9                   | VS-P108015 | N/A          |
| 21292 | Prucalopride Impurity 10                  | VS-P108016 | 232941-14-9  |
| 21293 | Prucalopride Impurity 11                  | VS-P108017 | 748788-39-8  |
| 21294 | Prucalopride Impurity 26                  | VS-P108018 | 1098624-57-7 |
| 21295 | Prucalopride Impurity 20                  | VS-P108019 | 1608459-56-8 |
| 21296 | Prucalopride Bromo Analogue               | VS-P108020 | NA           |
| 21297 | methyl 4-amino-3-chloro-2-hydroxybenzoate | VS-P108021 | 1154415-33-4 |
| 21298 | n-nitroso pruclopride impurity A          | VS-P108022 | NA           |
| 21299 | Prulifloxacin                             | VS-P109000 | 123447-62-1  |

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| 21300 | Prulifloxacin Impurity 1             | VS-P109001 | 112984-60-8 |
| 21301 | Prulifloxacin Impurity 2             | VS-P109002 | 156834-58-1 |
| 21302 | Prulifloxacin Impurity 3             | VS-P109003 | 173599-92-3 |
| 21303 | Prulifloxacin Impurity 4             | VS-P109004 | 187741-43-1 |
| 21304 | Prulifloxacin Impurity 5             | VS-P109005 | N/A         |
| 21305 | Prulifloxacin Impurity 6             | VS-P109006 | N/A         |
| 21306 | Prulifloxacin Impurity 7             | VS-P109007 | 187741-44-2 |
| 21307 | Prulifloxacin Impurity 8             | VS-P109008 | 156834-57-0 |
| 21308 | (-)-Pseudoephedrine                  | VS-P110000 | 321-97-1    |
| 21309 | Pyrantel                             | VS-P111000 | 15686-83-6  |
| 21310 | Pyrantel EP Impurity A               | VS-P111001 | 36700-38-6  |
| 21311 | Pyrantel EP Impurity B               | VS-P111002 | 36700-39-7  |
| 21312 | Pyrantel EP Impurity C               | VS-P111003 | 98-03-3     |
| 21313 | Pyrantel EP Impurity D               | VS-P111004 | 4271-96-9   |
| 21314 | Pyrantel Related Compound A          | VS-P111005 | 130-85-8    |
| 21315 | Pyrantel Pamoate                     | VS-P111006 | 22204-24-6  |
| 21316 | Pyrazinamide                         | VS-P112000 | 98-96-4     |
| 21317 | Pyrazinamide EP Impurity A           | VS-P112001 | 98-97-5     |
| 21318 | Pyrazinamide EP Impurity B           | VS-P112002 | 19847-12-2  |
| 21319 | 2-methoxy-5 picoline                 | VS-P113001 | 13472-56-5  |
| 21320 | 2-(4-Chlorobenzyl)pyridine           | VS-P113002 | 4350-41-8   |
| 21321 | Pyridostigmine Bromide               | VS-P114001 | 101-26-8    |
| 21322 | Pyridostigmine EP Impurity A         | VS-P114002 | 51581-32-9  |
| 21323 | Pyridostigmine EP Impurity B         | VS-P114003 | 31034-86-3  |
| 21324 | Pyridostigmine Ethyl-methyl Impurity | VS-P114004 | N/A         |
| 21325 | Pyridostigmine Chloro Impurity       | VS-P114005 | N/A         |
| 21326 | Pyridostigmine                       | VS-P114006 | 155-97-5    |
| 21327 | Pyridoxal                            | VS-P115000 | 66-72-8     |
| 21328 | Pyridoxal 5-phosphate monohydrate    | VS-P115001 | 41468-25-1  |
| 21329 | Pyridoxal 5-Phosphate Hydrate        | VS-P115002 | 853645-22-4 |
| 21330 | Pyridoxamine                         | VS-P116000 | 85-87-0     |
| 21331 | Pyridoxamine-5'-phosphate            | VS-P116001 | 529-96-4    |
| 21332 | Pyridoxine                           | VS-P117000 | 65-23-6     |
| 21333 | Pyridoxine Impurity A HCl            | VS-P117001 | 1006-21-9   |
| 21334 | Pyridoxine Impurity B HCl            | VS-P117002 | 148-51-6    |
| 21335 | Bispyridoxine                        | VS-P117003 | 19203-56-6  |
| 21336 | Amino pyrimidine pyridoxine addcut   | VS-P117004 | N/A         |
| 21337 | Pyridoxine Impurity 1                | VS-P117005 | N/A         |
| 21338 | Pyridoxine Impurity 2                | VS-P117006 | N/A         |
| 21339 | Pyridoxine Impurity 3                | VS-P117007 | 412940-03-5 |
| 21340 | Pyridoxine Impurity 4                | VS-P117008 | N/A         |
| 21341 | Pyridoxine Impurity 5                | VS-P117009 | N/A         |
| 21342 | Pyridoxine Impurity 6                | VS-P117010 | N/A         |
| 21343 | Pyridoxine Hydrochloride Impurity A  | VS-P117011 | 5196-20-3   |
| 21344 | Pyridoxine Hydrochloride Impurity B  | VS-P117012 | 61-67-6     |
| 21345 | Pyridoxine Impurity 7                | VS-P117013 | 19203-53-3  |
| 21346 | Pyrimethamine                        | VS-P118000 | 58-14-0     |

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| 21347 | Pyrimethamine EP Impurity A                                   | VS-P118001 | N/A          |
| 21348 | Pyrimethamine EP Impurity B                                   | VS-P118002 | 3275-44-3    |
| 21349 | Pyrimethamine EP Impurity D                                   | VS-P118003 | N/A          |
| 21350 | Pyrimethamine BP Impurity 1                                   | VS-P118004 | 91396-20-2   |
| 21351 | Pyrimethamine BP Impurity 2                                   | VS-P118005 | N/A          |
| 21352 | Pyrimethamine BP Impurity 3                                   | VS-P118006 | 93456-61-2   |
| 21353 | 4-Chloro benzylchloride                                       | VS-P118007 | 104-83-6     |
| 21354 | 2-chlorobenzylcyanide                                         | VS-P118008 | 2856-63-5    |
| 21355 | 3-Chlorobenzylcyanide                                         | VS-P118009 | 1529-41-5    |
| 21356 | 4-Chlorobenzaldehyde                                          | VS-P118010 | 104-88-1     |
| 21357 | Pyrimethamine Impurity 1                                      | VS-P118011 | N/A          |
| 21358 | Pyrimethamine Impurity 2                                      | VS-P118012 | 08-07-19     |
| 21359 | Pyrimethamine Impurity 3                                      | VS-P118013 | 55474-40-3   |
| 21360 | Pyrimethamine Impurity 4                                      | VS-P118014 | 55474-41-4   |
| 21361 | Pyrimethamine Impurity 5                                      | VS-P118015 | 140-53-4     |
| 21362 | Pyrimethamine Impurity 6                                      | VS-P118016 | N/A          |
| 21363 | Pyrvinium Pamoate                                             | VS-P119000 | 3546-41-6    |
| 21364 | Pyrvinium Pamoate Impurity A                                  | VS-P119001 | 2136666-30-1 |
| 21365 | Z-Pyrvinium Pamoate                                           | VS-P119002 | N/A          |
| 21366 | Phenacetin                                                    | VS-P120000 | 62-44-2      |
| 21367 | Procaine Hydrochloride                                        | VS-P121001 | 51-05-8      |
| 21368 | Pitolisant D6                                                 | VS-P122000 | 2416991-77-8 |
| 21369 | Pitolisant Hydrochloride                                      | VS-P122001 | 903576-44-3  |
| 21370 | Pitolisant Impurity 1                                         | VS-P122002 | NA           |
| 21371 | Pitolisant Impurity 2                                         | VS-P122003 | NA           |
| 21372 | Pitolisant Impurity 3                                         | VS-P122004 | NA           |
| 21373 | Pitolisant                                                    | VS-P122005 | 362665-56-3  |
| 21374 | Pitolisant N-oxide                                            | VS-P122006 | NA           |
| 21375 | Pitolisant Impurity 5                                         | VS-P122007 | NA           |
| 21376 | Pitolisant Impurity 6                                         | VS-P122008 | 59507-42-5   |
| 21377 | Pitolisant Impurity 7 (PTL Deschloro impurity 01/22)          | VS-P122009 | 362665-54-1  |
| 21378 | Pitolisant Impurity 8 (PTL1)                                  | VS-P122010 | 104-58-5     |
| 21379 | Pitolisant Impurity 9 (PTL1-PRD DIMER)                        | VS-P122011 | 31951-46-9   |
| 21380 | Pitolisant Impurity 10 (PTL/PTL3-PRD impurity 01/22)          | VS-P122012 | 735224-36-9  |
| 21381 | Pitolisant Impurity 11 (PTL/PTL2(ii))                         | VS-P122013 | 6282-88-8    |
| 21382 | Pitolisant Impurity 12 (PTL/PTL1 dimer01/22)                  | VS-P122014 | 110129-10-7  |
| 21383 | 3-(4-chlorophenyl)propyl methanesulfonate (PTL2 GTI impurity) | VS-P122015 | 61440-60-6   |
| 21384 | 1-(3-Butoxypropyl) Piperidine (PTL1 Butyl Impurity)           | VS-P122016 | NA           |
| 21385 | Pidotimod                                                     | VS-P123000 | 121808-62-6  |
| 21386 | L-Pyroglutamic Anhydride                                      | VS-P123001 | 14842-41-2   |
| 21387 | Pidotimod Impurity 1                                          | VS-P123002 | NA           |
| 21388 | Pidotimod Impurity 2                                          | VS-P123003 | NA           |
| 21389 | Pidotimod Impurity 3                                          | VS-P123004 | 72744-67-3   |
| 21390 | Pidotimod Impurity 5                                          | VS-P123005 | 162148-15-4  |
| 21391 | Pidotimod Impurity 6                                          | VS-P123006 | 162148-16-5  |
| 21392 | Pidotimod Impurity 7                                          | VS-P123007 | 112600-92-7  |
| 21393 | Pidotimod Impurity 8                                          | VS-P123008 | 1527463-63-3 |

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| 21394 | Pidotimod Sulfoxide (Mixture of Diastereomers)                                                                                  | VS-P123009 | NA           |
| 21395 | Pidotimod Impurity 10                                                                                                           | VS-P123010 | 6437-35-0    |
| 21396 | Pidotimod Impurity 11                                                                                                           | VS-P123011 | NA           |
| 21397 | Pidotimod Impurity 12                                                                                                           | VS-P123012 | NA           |
| 21398 | Pidotimod Impurity 13                                                                                                           | VS-P123013 | 29227-92-7   |
| 21399 | Pidotimod Impurity 14                                                                                                           | VS-P123014 | NA           |
| 21400 | Pidotimod Ethyl Ester                                                                                                           | VS-P123015 | 135124-63-9  |
| 21401 | Pidotimod D5                                                                                                                    | VS-P123016 | NA           |
| 21402 | Pidotimod Methyl Ester                                                                                                          | VS-P123017 | 1333122-78-3 |
| 21403 | Pidotimod Impurity 15                                                                                                           | VS-P123018 | NA           |
| 21404 | Ponatinib                                                                                                                       | VS-P124000 | 943319-70-8  |
| 21405 | Desmethyl Ponatinib                                                                                                             | VS-P124001 | 943319-87-7  |
| 21406 | Ponatinib Impurity 1                                                                                                            | VS-P124002 | 694499-26-8  |
| 21407 | Ponatinib Impurity 2                                                                                                            | VS-P124003 | 1300690-48-5 |
| 21408 | Ponatinib N-Oxide                                                                                                               | VS-P124004 | 2227480-51-3 |
| 21409 | Methyl 3-(imidazo[1,2-b]pyridazin-3-ylethynyl)-4-methylbenzoate                                                                 | VS-P124005 | 1356385-96-0 |
| 21410 | 3,5-bis(imidazo[1,2-b]pyridazin-3-ylethynyl)-4-methyl-N-(4-((4-methylpiperazin-1-yl)methyl)-3-(trifluoromethyl)phenyl)benzamide | VS-P124006 | NA           |
| 21411 | Ponatinib Hydrochloride                                                                                                         | VS-P124007 | 1114544-31-8 |
| 21412 | Polymyxin B Sulfate                                                                                                             | VS-P125000 | 1405-20-5    |
| 21413 | Polymyxin B                                                                                                                     | VS-P125001 | 1404-26-8    |
| 21414 | Polymyxin B1                                                                                                                    | VS-P125002 | 09-11-35     |
| 21415 | Polymyxin B2                                                                                                                    | VS-P125003 | 34503-87-2   |
| 21416 | Polymyxin B3                                                                                                                    | VS-P125004 | 71140-58-4   |
| 21417 | Polymyxin B1-l                                                                                                                  | VS-P125005 | 811435-10-6  |
| 21418 | Pemigatinib                                                                                                                     | VS-P126000 | 1513857-77-6 |
| 21419 | Pemigatinib N-Oxide Impurity                                                                                                    | VS-P126001 | NA           |
| 21420 | Pemigatinib N-Ethyl Impurity                                                                                                    | VS-P126002 | NA           |
| 21421 | Pemigatinib Aldehyde Impurity                                                                                                   | VS-P126003 | NA           |
| 21422 | Pemigatinib Pyridine Impurity                                                                                                   | VS-P126004 | 1513860-02-0 |
| 21423 | Pemigatinib Ethyl Urea Impurity                                                                                                 | VS-P126005 | 2382664-64-2 |
| 21424 | N-Nitroso Pemigatinib                                                                                                           | VS-P126006 | NA           |
| 21425 | Papaverine Hydrochloride                                                                                                        | VS-P127000 | 61-25-6      |
| 21426 | Papaverine Hydrochloride EP Impurity A                                                                                          | VS-P127001 | 128-62-1     |
| 21427 | Papaverine Hydrochloride EP Impurity B                                                                                          | VS-P127002 | 482-76-8     |
| 21428 | Papaverine Hydrochloride EP Impurity C                                                                                          | VS-P127003 | 6957-27-3    |
| 21429 | Papaverine Hydrochloride EP Impurity D                                                                                          | VS-P127004 | 522-57-6     |
| 21430 | Papaverine Hydrochloride EP Impurity E                                                                                          | VS-P127005 | 13074-31-2   |
| 21431 | Papaverine Hydrochloride EP Impurity F                                                                                          | VS-P127006 | 139-76-4     |
| 21432 | (S)-(-)-Tetrahydropapaverine                                                                                                    | VS-P127007 | 4747-98-2    |
| 21433 | Propentofylline                                                                                                                 | VS-P128000 | 55242-55-2   |
| 21434 | Propentofylline Impurity 1                                                                                                      | VS-P128001 | NA           |
| 21435 | Phenothiazine                                                                                                                   | VS-P129000 | 92-84-2      |
| 21436 | Pamoic Acid                                                                                                                     | VS-P130000 | 130-85-8     |
| 21437 | Quercetin                                                                                                                       | VS-Q001000 | 117-39-5     |
| 21438 | Isorhamnetin                                                                                                                    | VS-Q001001 | 480-19-3     |
| 21439 | Isoquercetin                                                                                                                    | VS-Q001002 | 482-35-9     |

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| 21440 | Quercetin D3                                                                       | VS-Q001003 | 263711-79-1  |
| 21441 | Quetiapine                                                                         | VS-Q002000 | 111974-69-7  |
| 21442 | Quetiapine Fumarate                                                                | VS-Q002001 | 111974-72-2  |
| 21443 | Quetiapine EP Impurity A                                                           | VS-Q002002 | 844639-07-2  |
| 21444 | Quetiapine EP Impurity B ( DiHCl Salt)                                             | VS-Q002003 | 111974-74-4  |
| 21445 | Quetiapine EP Impurity C                                                           | VS-Q002004 | 1798840-31-9 |
| 21446 | Quetiapine EP Impurity D                                                           | VS-Q002005 | N/A          |
| 21447 | Quetiapine EP Impurity E                                                           | VS-Q002006 | 1371638-05-9 |
| 21448 | Quetiapine EP Impurity F                                                           | VS-Q002007 | 848814-27-7  |
| 21449 | Quetiapine EP Impurity G                                                           | VS-Q002008 | 07-07-59     |
| 21450 | Quetiapine EP Impurity H                                                           | VS-Q002009 | 1076199-40-0 |
| 21451 | Quetiapine EP Impurity H Fumarate salt                                             | VS-Q002010 | N/A          |
| 21452 | Quetiapine EP Impurity I                                                           | VS-Q002011 | 329216-67-3  |
| 21453 | Quetiapine EP Impurity I HCl Salt                                                  | VS-Q002012 | 329218-14-6  |
| 21454 | Quetiapine EP Impurity J                                                           | VS-Q002013 | 1356906-17-6 |
| 21455 | Quetiapine EP Impurity K                                                           | VS-Q002014 | 1371638-10-6 |
| 21456 | Quetiapine EP Impurity L                                                           | VS-Q002015 | 1371638-11-7 |
| 21457 | Quetiapine EP Impurity N                                                           | VS-Q002016 | 1800291-86-4 |
| 21458 | Quetiapine EP Impurity O                                                           | VS-Q002017 | 844639-06-1  |
| 21459 | Quetiapine EP Impurity P                                                           | VS-Q002018 | 1011758-03-4 |
| 21460 | Quetiapine EP Impurity P HCl Salt                                                  | VS-Q002019 | N/A          |
| 21461 | Quetiapine EP Impurity Q                                                           | VS-Q002020 | N/A          |
| 21462 | Quetiapine Impurity Q [Quetiapine-N-Di(ethoxyethanol)]                             | VS-Q002021 | N/A          |
| 21463 | Quetiapine EP Impurity R                                                           | VS-Q002022 | 04-05-59     |
| 21464 | Quetiapine EP Impurity S                                                           | VS-Q002023 | 329216-63-9  |
| 21465 | Quetiapine EP Impurity S HCl Salt                                                  | VS-Q002024 | 329218-11-3  |
| 21466 | Quetiapine EP Impurity T                                                           | VS-Q002025 | 5747-46-6    |
| 21467 | Quetiapine EP Impurity U                                                           | VS-Q002026 | 5786-26-5    |
| 21468 | Quetiapine EP Impurity V                                                           | VS-Q002027 | N/A          |
| 21469 | Quetiapine EP Impurity W                                                           | VS-Q002028 | 1800608-95-0 |
| 21470 | Quetiapine Ethyl Ether (Fumarate)                                                  | VS-Q002029 | 2470241-46-2 |
| 21471 | Quetiapine HEEP Impurity                                                           | VS-Q002030 | 13349-82-1   |
| 21472 | Quetiapine Sulfone (HCl Salt)                                                      | VS-Q002031 | 329218-13-5  |
| 21473 | Quetiapine 7-Hydroxy Impurity                                                      | VS-Q002032 | N/A          |
| 21474 | Quetiapine 7-Hydroxy Sulfoxide                                                     | VS-Q002033 | 1185170-04-0 |
| 21475 | Quetiapine Carboxylate Impurity                                                    | VS-Q002034 | 1011758-00-1 |
| 21476 | Quetiapine DBTC Impurity                                                           | VS-Q002035 | 13745-86-3   |
| 21477 | Quetiapine DBTC Sulfone                                                            | VS-Q002036 | 52264-22-9   |
| 21478 | Quetiapine DBTO Sulfone                                                            | VS-Q002037 | 22871-33-6   |
| 21479 | Quetiapine DBTP 7-Hydroxy Metabolite                                               | VS-Q002038 | 1397181-83-7 |
| 21480 | Quetiapine DBTP N-Methyl Impurity                                                  | VS-Q002039 | 09-09-77     |
| 21481 | Quetiapine Diether Alcohol                                                         | VS-Q002040 | N/A          |
| 21482 | Quetiapine Dipiperazine Monoether Impurity                                         | VS-Q002041 | N/A          |
| 21483 | Phenyl-2-(phenyl thio)phenyl carbamide                                             | VS-Q002042 | 111974-73-3  |
| 21484 | 2-Aminodiphenyl Sulfide                                                            | VS-Q002043 | 1134-94-7    |
| 21485 | 2-[2-(4-Dibenzo[b,f] [1,4]thiazepine-11-yl-1-piperazineyl)ethoxyl]-1-ethyl Ethanol | VS-Q002044 | N/A          |

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| 21486 | 2-(2-Hydroxyethoxy)ethyl 2-[2-(4-Dibenzo[b,f] [1,4]thiazepine-11-piperazineyl)] -1-carboxylate | VS-Q002045 | N/A          |
| 21487 | Quetiapine Impurity III (N,N'-Bis[2-(phenylthio)phenyl]urea)                                   | VS-Q002046 | 102893-57-2  |
| 21488 | Quetiapine Impurity III (N-[2-(Phenylthio)phenyl]-1-piperazinecarboxamide)                     | VS-Q002047 | 837383-82-1  |
| 21489 | Quetiapine Impurity (N,N'-bis[(2-phenylthio)phenyl]-1,4-piperazinedicarboxamide)               | VS-Q002048 | 1126432-68-5 |
| 21490 | Quetiapine Impurity IV                                                                         | VS-Q002049 | N/A          |
| 21491 | N-desalkyl Quetiapine fumarate                                                                 | VS-Q002050 | 937731-18-5  |
| 21492 | Quetiapine Hemifumarate Ester                                                                  | VS-Q002051 | 2209488-73-1 |
| 21493 | Ortho-nitro chlorobenzene and phenol                                                           | VS-Q002052 | N/A          |
| 21494 | Thiophenol                                                                                     | VS-Q002053 | 108-98-5     |
| 21495 | 2-amino biphenyl sulphide and phenyl-2-(phenylthio)-phenylcarbamate                            | VS-Q002054 | N/A          |
| 21496 | 7-Hydroxy Quetiapine                                                                           | VS-Q002055 | 139079-39-3  |
| 21497 | Quetiapine Impurity 4                                                                          | VS-Q002056 | 1241800-24-7 |
| 21498 | Quetiapine Impurity 6                                                                          | VS-Q002057 | 1514918-27-4 |
| 21499 | Quetiapine Impurity 7                                                                          | VS-Q002058 | 2206606-97-3 |
| 21500 | Quetiapine Impurity 9                                                                          | VS-Q002059 | 2206606-99-5 |
| 21501 | Quetiapine Impurity 10                                                                         | VS-Q002060 | 2206135-48-8 |
| 21502 | Quetiapine Impurity 11                                                                         | VS-Q002061 | 2206607-04-5 |
| 21503 | Quetiapine Impurity 12                                                                         | VS-Q002062 | 2206135-50-2 |
| 21504 | Quetiapine Impurity 13                                                                         | VS-Q002063 | N/A          |
| 21505 | Quetiapine Impurity 14                                                                         | VS-Q002064 | 2206607-05-6 |
| 21506 | Quetiapine Impurity 15                                                                         | VS-Q002065 | 37539-80-3   |
| 21507 | Quetiapine Impurity 16                                                                         | VS-Q002066 | N/A          |
| 21508 | Quetiapine Impurity 17                                                                         | VS-Q002067 | 329216-69-5  |
| 21509 | Quetiapine Impurity 18                                                                         | VS-Q002068 | N/A          |
| 21510 | Quetiapine Impurity 19                                                                         | VS-Q002069 | N/A          |
| 21511 | Quetiapine Impurity 20                                                                         | VS-Q002070 | 73486-81-4   |
| 21512 | Quetiapine Impurity B                                                                          | VS-Q002071 | 11974-74-4   |
| 21513 | Quetiapine Impurity V                                                                          | VS-Q002072 | 2204369-14-0 |
| 21514 | Quetiapine EP Impurity D                                                                       | VS-Q002073 | 945668-94-0  |
| 21515 | Ethyl Quetiapine Fumarate Salt                                                                 | VS-Q002074 | 1011758-06-7 |
| 21516 | Quetiapine Impurity 21                                                                         | VS-Q002075 | 5197-62-6    |
| 21517 | Quetiapine Impurity 22                                                                         | VS-Q002076 | 112-26-5     |
| 21518 | Quetiapine Impurity 23                                                                         | VS-Q002077 | 17229-14-0   |
| 21519 | Quetiapine Impurity 24                                                                         | VS-Q002078 | 141-43-5     |
| 21520 | Quetiapine Impurity 25                                                                         | VS-Q002079 | 6764-13-2    |
| 21521 | Quetiapine Impurity 26                                                                         | VS-Q002080 | 107-07-3     |
| 21522 | Quetiapine Nitroso EP Impurity B                                                               | VS-Q002081 | NA           |
| 21523 | Quetiapine EP Impurity B                                                                       | VS-Q002082 | 5747-48-8    |
| 21524 | Quetiapine EP Impurity I (Fumarate salt)                                                       | VS-Q002083 | 2734403-85-9 |
| 21525 | Quetiapine Impurity 27                                                                         | VS-Q002084 | 86-29-3      |
| 21526 | Quetiapine D4 Fumarate                                                                         | VS-Q002085 | 1331636-50-0 |
| 21527 | N-Nitroso Quetiapine EP Impurity B D8                                                          | VS-Q002086 | NA           |
| 21528 | Quinapril                                                                                      | VS-Q003000 | 85441-61-8   |
| 21529 | Quinapril EP Impurity A                                                                        | VS-Q003001 | 74163-81-8   |

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| 21530 | Quinapril EP Impurity B         | VS-Q003002 | 82717-96-2   |
| 21531 | Quinapril EP Impurity C         | VS-Q003003 | 82768-85-2   |
| 21532 | Quinapril EP Impurity D         | VS-Q003004 | 103733-49-9  |
| 21533 | Quinapril EP Impurity E         | VS-Q003005 | 2055735-09-4 |
| 21534 | Quinapril EP Impurity G         | VS-Q003006 | 103833-16-5  |
| 21535 | Quinapril EP Impurity H         | VS-Q003007 | N/A          |
| 21536 | Quinapril EP Impurity I         | VS-Q003008 | 103775-09-3  |
| 21537 | Quinapril EP Impurity J         | VS-Q003009 | N/A          |
| 21538 | Quinapril EP Impurity M         | VS-Q003010 | N/A          |
| 21539 | Quinapril Ethyl Ether           | VS-Q003011 | 103733-35-3  |
| 21540 | Quinapril Methyl Ester          | VS-Q003012 | 118194-43-7  |
| 21541 | Quinapril Isopropyl Ester       | VS-Q003013 | 955034-25-0  |
| 21542 | Quinapril Benzyl Ester          | VS-Q003014 | 82586-53-6   |
| 21543 | Quinapril Impurity 1            | VS-Q003015 | N/A          |
| 21544 | Quinapril Impurity 2            | VS-Q003016 | N/A          |
| 21545 | Quinidine                       | VS-Q004000 | 56-54-2      |
| 21546 | Quinidine Sulphate              | VS-Q004001 | 50-54-4      |
| 21547 | Quinidine Sulphate Dihydrate    | VS-Q004002 | 6591-63-5    |
| 21548 | Dihydrocinchonine Sulphate      | VS-Q004003 | 70134-33-7   |
| 21549 | Quininone Sulphate              | VS-Q004004 | 1653974-38-9 |
| 21550 | Quinicine Sulphate              | VS-Q004005 | N/A          |
| 21551 | Dihydroquinidine Sulfate        | VS-Q004006 | N/A          |
| 21552 | Quinidine EP Impurity A         | VS-Q004007 | 130-95-0     |
| 21553 | Quinidine EP Impurity B         | VS-Q004008 | N/A          |
| 21554 | Quinidine EP Impurity C         | VS-Q004009 | 1435-55-8    |
| 21555 | Quininone                       | VS-Q004010 | 84-31-1      |
| 21556 | Quinine Hemisulfate Monohydrate | VS-Q005001 | 207671-44-1  |
| 21557 | Dihydrocinchonidine Sulphate    | VS-Q005002 | 78848-93-8   |
| 21558 | Quinine EP Impurity A           | VS-Q005003 | 56-54-2      |
| 21559 | Quinine EP Impurity B           | VS-Q005004 | 485-71-2     |
| 21560 | Quinine EP Impurity C           | VS-Q005005 | 522-66-7     |
| 21561 | Quinoline                       | VS-Q006000 | 91-22-5      |
| 21562 | 5-Hydroxyquinoline              | VS-Q006001 | 578-67-6     |
| 21563 | 3-Piperidinone Hydrochloride    | VS-Q006002 | 61644-00-6   |
| 21564 | 7-Chloro-4-Phenoxyquinoline     | VS-Q006003 | 124495-03-0  |
| 21565 | Queuine                         | VS-Q007000 | 72496-59-4   |
| 21566 | Quinalizarin                    | VS-Q008000 | 81-61-8      |
| 21567 | Quinifamide                     | VS-Q009000 | 62265-68-3   |
| 21568 | Rabeprazole Sodium              | VS-R001001 | 117976-90-6  |
| 21569 | Rabeprazole EP Impurity A       | VS-R001002 | 117976-47-3  |
| 21570 | Rabeprazole EP Impurity B       | VS-R001003 | 117977-21-6  |
| 21571 | Rabeprazole EP Impurity C       | VS-R001004 | 2437254-50-5 |
| 21572 | Rabeprazole EP Impurity D       | VS-R001005 | 924663-38-7  |
| 21573 | Rabeprazole EP Impurity E       | VS-R001006 | 102804-77-3  |
| 21574 | Rabeprazole EP Impurity F       | VS-R001007 | 583-39-1     |
| 21575 | Rabeprazole EP Impurity G       | VS-R001008 | 102804-82-0  |
| 21576 | Rabeprazole EP Impurity H       | VS-R001009 | 168167-42-8  |

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| 21577 | Rabeprazole EP Impurity I                        | VS-R001010 | 924663-37-6  |
| 21578 | Rabeprazole EP Impurity K                        | VS-R001011 | 615-16-7     |
| 21579 | Rabeprazole N-Alkyl Impurity                     | VS-R001012 | 935260-92-7  |
| 21580 | Rabeprazole N-Alkyl Sulfide                      | VS-R001013 | 1114543-47-3 |
| 21581 | Rabeprazole N-Alkyl Sulfone                      | VS-R001014 | 1246818-79-0 |
| 21582 | Rabeprazole Sodium R-Isomer                      | VS-R001015 | 171440-18-9  |
| 21583 | Rabeprazole Sodium S-Isomer                      | VS-R001016 | 171440-19-0  |
| 21584 | Rabeprazole Sulfide N-Oxide                      | VS-R001017 | 924663-40-1  |
| 21585 | Rabeprazole Sulfonic Acid Impurity               | VS-R001018 | 40828-54-4   |
| 21586 | Rabeprazole 2-Chloromethyl Impurity              | VS-R001019 | 153259-31-5  |
| 21587 | Rabeprazole 4-Chloro Analog Sulfone              | VS-R001020 | 1159977-27-1 |
| 21588 | Rabeprazole Carboxylic Acid Impurity             | VS-R001021 | 1163685-31-1 |
| 21589 | Rabeprazole Impurity (Chloro Intermediate)       | VS-R001022 | 117977-20-5  |
| 21590 | (R)-Desmethyl Rabeprazole Sodium Salt            | VS-R001023 | N/A          |
| 21591 | (S)-Desmethyl Rabeprazole Sodium Salt            | VS-R001024 | N/A          |
| 21592 | (S)-O-Desmethyl Rabeprazole Impurity             | VS-R001025 | 179952-05-7  |
| 21593 | (R)-O-Desmethyl Rabeprazole Impurity             | VS-R001026 | 179952-04-6  |
| 21594 | Racemic-O-Desmethyl Rabeprazole Impurity         | VS-R001027 | 117976-94-0  |
| 21595 | Racemic-Desmethyl Rabeprazole Sodium Salt        | VS-R001028 | 117976-71-3  |
| 21596 | Benzimidazole                                    | VS-R001029 | 51-17-2      |
| 21597 | Isopropyl Ether                                  | VS-R001030 | 108-20-3     |
| 21598 | 1,2-Phenylenediamine                             | VS-R001031 | 95-54-5      |
| 21599 | Rabeprazole 4-Chloro Analog Sulfide              | VS-R001032 | 103312-62-5  |
| 21600 | Rabeprazole Impurity 1                           | VS-R001033 | 1286104-27-5 |
| 21601 | Rabeprazole Impurity 2                           | VS-R001034 | N/A          |
| 21602 | Rabeprazole Impurity 5                           | VS-R001035 | 1807988-36-8 |
| 21603 | Rabeprazole Impurity 6                           | VS-R001036 | N/A          |
| 21604 | Rabeprazole Impurity 7                           | VS-R001037 | 2514705-91-8 |
| 21605 | Rabeprazole Impurity 8                           | VS-R001038 | 1613482-73-7 |
| 21606 | Rabeprazole USP Related Compound A (Sodium Salt) | VS-R001039 | 1163685-30-0 |
| 21607 | Rabeprazole                                      | VS-R001040 | 117976-89-3  |
| 21608 | Rabeprazole Impurity 9                           | VS-R001041 | 934-32-7     |
| 21609 | Racecadotril                                     | VS-R002000 | 81110-73-8   |
| 21610 | Racecadotril EP Impurity A                       | VS-R002001 | 507-09-5     |
| 21611 | Racecadotril EP Impurity B                       | VS-R002002 | 76721-89-6   |
| 21612 | Racecadotril EP Impurity C                       | VS-R002003 | 124735-06-4  |
| 21613 | Racecadotril EP Impurity D                       | VS-R002004 | 123658-06-0  |
| 21614 | Racecadotril EP Impurity E                       | VS-R002005 | 5669-19-2    |
| 21615 | Racecadotril EP Impurity F                       | VS-R002006 | 87428-99-7   |
| 21616 | Racecadotril EP Impurity G                       | VS-R002007 | 81110-69-2   |
| 21617 | Racecadotril EP Impurity H                       | VS-R002008 | 141437-88-9  |
| 21618 | Racecadotril Impurity 1                          | VS-R002009 | 83960-22-9   |
| 21619 | Racecadotril Impurity 2                          | VS-R002010 | 81110-05-6   |
| 21620 | Racecadotril Impurity 3                          | VS-R002011 | 1938131-60-2 |
| 21621 | Ractopamine Hydrochloride                        | VS-R003001 | 90274-24-1   |
| 21622 | Raloxifene Hydrochloride                         | VS-R004001 | 82640-04-8   |
| 21623 | Raloxifene EP Impurity A                         | VS-R004002 | 1159977-58-8 |



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| 21624 | Raloxifene EP Impurity B                       | VS-R004003 | N/A          |
| 21625 | Raloxifene EP Impurity C                       | VS-R004004 | 195454-31-0  |
| 21626 | Raloxifene Benzoic Acid Impurity               | VS-R004005 | 84449-80-9   |
| 21627 | Raloxifene Dimethoxy Impurity                  | VS-R004006 | 84541-38-8   |
| 21628 | Raloxifene Dimer Impurity                      | VS-R004007 | 618902-12-8  |
| 21629 | Raloxifene Dimesylate Hydrochloride            | VS-R004008 | 84449-85-4   |
| 21630 | Raloxifene Diacyl analog                       | VS-R004009 | 84449-82-1   |
| 21631 | Dimesyl Raloxifen                              | VS-R004010 | 84541-30-0   |
| 21632 | 6-Methoxy-2-(4-methoxyphenyl)benzo[b]thiophene | VS-R004011 | 63675-74-1   |
| 21633 | 4-Hydroxy Raloxifene Isomer                    | VS-R004012 | 185416-01-7  |
| 21634 | Raloxifene 6-Monomethyl Ether                  | VS-R004013 | 178451-13-3  |
| 21635 | Raloxifene 4-glucuronide                       | VS-R004014 | 182507-22-8  |
| 21636 | Raloxifene 6-glucuronide                       | VS-R004015 | 174264-50-7  |
| 21637 | Raloxifene Impurity 2                          | VS-R004016 | 63676-22-2   |
| 21638 | Raloxifene Impurity 3                          | VS-R004017 | 84449-65-0   |
| 21639 | Raloxifene Impurity 4                          | VS-R004018 | 2008-75-5    |
| 21640 | Raloxifene Impurity 5                          | VS-R004019 | 2632-13-5    |
| 21641 | Raloxifene Impurity 6                          | VS-R004020 | 1196-81-2    |
| 21642 | Raloxifene Impurity 7                          | VS-R004021 | N/A          |
| 21643 | Raloxifene Impurity 8                          | VS-R004022 | 225648-21-5  |
| 21644 | Raloxifene Impurity 9                          | VS-R004023 | 175460-94-3  |
| 21645 | Raloxifene (Mixture of Impurity 8 & 9)         | VS-R004024 | N/A          |
| 21646 | Raloxifene Impurity 10                         | VS-R004025 | 1677681-01-4 |
| 21647 | Raloxifene Impurity 11                         | VS-R004026 | 1677681-02-5 |
| 21648 | Raloxifene Impurity 12                         | VS-R004027 | 1700655-64-6 |
| 21649 | Raloxifene Impurity 13                         | VS-R004028 | 3040-44-6    |
| 21650 | Raloxifene Impurity 13                         | VS-R004029 | 1190867-20-9 |
| 21651 | Raloxifene Impurity 14                         | VS-R004030 | N/A          |
| 21652 | Raloxifene Impurity 15                         | VS-R004031 | N/A          |
| 21653 | Raloxifene Impurity 16                         | VS-R004032 | 1305861-81-7 |
| 21654 | Raloxifene Impurity 17                         | VS-R004033 | 414861-41-9  |
| 21655 | Raloxifene Impurity 18                         | VS-R004034 | 937666-17-6  |
| 21656 | Raloxifene Impurity 19                         | VS-R004035 | 767286-87-3  |
| 21657 | Raloxifene Impurity 20                         | VS-R004036 | 938140-30-8  |
| 21658 | Raloxifene Impurity 21                         | VS-R004037 | 1357307-20-0 |
| 21659 | Raloxifene Impurity 22                         | VS-R004038 | 90433-54-8   |
| 21660 | Raloxifene Impurity 23                         | VS-R004039 | 100-06-1     |
| 21661 | Raloxifene Impurity 30                         | VS-R004040 | 89407-97-6   |
| 21662 | Raloxifene                                     | VS-R004041 | 84449-90-1   |
| 21663 | Raltegravir                                    | VS-R005000 | 518048-05-0  |
| 21664 | Raltegravir EP Impurity A                      | VS-R005001 | 518048-03-8  |
| 21665 | Raltegravir EP Impurity A Hydrobromide salt    | VS-R005002 | 1415836-94-0 |
| 21666 | Raltegravir EP Impurity B                      | VS-R005003 | 1193687-85-2 |
| 21667 | Raltegravir EP Impurity D                      | VS-R005004 | 1064706-98-4 |
| 21668 | Raltegravir EP Impurity C                      | VS-R005005 | 1391918-17-4 |
| 21669 | Raltegravir EP Impurity E                      | VS-R005006 | 1193687-87-4 |
| 21670 | Raltegravir EP Impurity F                      | VS-R005007 | N/A          |

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| 21671 | Raltegravir EP Impurity G            | VS-R005008 | N/A          |
| 21672 | Raltegravir Mixture of G & F         | VS-R005009 | N/A          |
| 21673 | Raltegravir EP Impurity H            | VS-R005010 | 1391918-18-5 |
| 21674 | Dimethyl Impurity                    | VS-R005011 | N/A          |
| 21675 | Raltegravir Potassium                | VS-R005012 | 871038-72-1  |
| 21676 | Raltegravir Diketo Amine Impurity    | VS-R005013 | 1193687-86-3 |
| 21677 | Raltegravir Diketo Methoxy Impurity  | VS-R005014 | 518048-04-9  |
| 21678 | Raltegravir Diketo Ethoxy Impurity   | VS-R005015 | 1193687-88-5 |
| 21679 | Raltegravir Oxidative Impurity       | VS-R005016 | 864244-64-4  |
| 21680 | Raltegravir Sodium Salt              | VS-R005017 | 1292804-07-9 |
| 21681 | Raltegravir $\beta$ -D-Glucuronide   | VS-R005018 | 952654-62-5  |
| 21682 | Raltegravir Impurity 1               | VS-R005019 | 624-48-6     |
| 21683 | Raltegravir Formyl Impurity          | VS-R005020 | N/A          |
| 21684 | Raltegravir Hydrazinyl Impurity      | VS-R005021 | 2525279-49-4 |
| 21685 | Raltegravir Propene Impurity         | VS-R005022 | 1801912-42-4 |
| 21686 | Raltegravir O-Methyl Impurity        | VS-R005023 | N/A          |
| 21687 | Raltegravir Methyl Ester Impurity    | VS-R005024 | 37641-35-3   |
| 21688 | Raltegravir Amide Impurity           | VS-R005025 | 99367-45-0   |
| 21689 | Ramelteon                            | VS-R006000 | 196597-26-9  |
| 21690 | Ramelteon Impurity E                 | VS-R006001 | N/A          |
| 21691 | Ramelteon Methyl Ester               | VS-R006002 | 1356395-13-5 |
| 21692 | Ramelteon Chiral Amide Impurity      | VS-R006003 | 1149757-30-1 |
| 21693 | Ramelteon Acetyl Impurity            | VS-R006004 | 326793-94-6  |
| 21694 | Ramelteon Double bond amide impurity | VS-R006005 | 1149757-29-8 |
| 21695 | Ramelteon R-Isomer Impurity          | VS-R006006 | 196597-27-0  |
| 21696 | Ramelteon Stage-2 Impurity           | VS-R006007 | 1053239-39-6 |
| 21697 | Ramelteon Stage-2 Dimer Impurity     | VS-R006008 | 1365920-38-2 |
| 21698 | Ramelteon Dimer Impurity             | VS-R006009 | N/A          |
| 21699 | Ramelteon Isobutyryl impurity        | VS-R006010 | 880152-61-4  |
| 21700 | Ramelteon Acrylonitrile              | VS-R006011 | 196597-79-2  |
| 21701 | Ramelteon Diamide Impurity-2         | VS-R006012 | N/A          |
| 21702 | Ramelteon ene amine amide            | VS-R006013 | 882434-87-9  |
| 21703 | Ramelteon Impurity 1                 | VS-R006014 | 1092484-10-0 |
| 21704 | Ramelteon Impurity 2                 | VS-R006015 | 1092507-07-7 |
| 21705 | Ramelteon Impurity 3                 | VS-R006016 | 880152-62-5  |
| 21706 | Ramelteon Impurity 4                 | VS-R006017 | N/A          |
| 21707 | Ramelteon Impurity IV                | VS-R006018 | 880152-63-6  |
| 21708 | Ramelteon Impurity 5                 | VS-R006019 | 1092507-01-1 |
| 21709 | Ramelteon Impurity 6                 | VS-R006020 | 1185516-79-3 |
| 21710 | Ramelteon Impurity 7                 | VS-R006021 | 1092507-02-2 |
| 21711 | Ramelteon Impurity 8                 | VS-R006022 | 1221160-66-2 |
| 21712 | Ramelteon Impurity 9                 | VS-R006023 | 1092507-03-3 |
| 21713 | Ramelteon Impurity 10                | VS-R006024 | 1053239-38-5 |
| 21714 | Ramelteon Impurity 11                | VS-R006025 | 221530-38-7  |
| 21715 | Ramelteon Impurity 12                | VS-R006026 | 1246216-45-4 |
| 21716 | Ramelteon Impurity 13                | VS-R006027 | 1217272-33-7 |
| 21717 | Ramelteon Impurity 14                | VS-R006028 | 196597-78-1  |

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| 21718 | Ramelteon Impurity 15        | VS-R006029 | 196597-80-5  |
| 21719 | Ramelteon Impurity 16        | VS-R006030 | 1252018-55-5 |
| 21720 | Ramelteon Impurity 17        | VS-R006031 | 196597-30-5  |
| 21721 | Ramelteon Impurity 18        | VS-R006032 | N/A          |
| 21722 | Ramelteon Impurity 19        | VS-R006033 | 1221160-67-3 |
| 21723 | Ramelteon Impurity 20        | VS-R006034 | 196597-76-9  |
| 21724 | Ramelteon Impurity 21        | VS-R006035 | 196597-61-2  |
| 21725 | Ramelteon Impurity 22        | VS-R006036 | 1370335-77-5 |
| 21726 | Ramelteon Impurity 23        | VS-R006037 | 1370335-75-3 |
| 21727 | Ramelteon Impurity 24        | VS-R006038 | 1823787-31-0 |
| 21728 | Ramelteon Impurity 25        | VS-R006039 | 196597-77-0  |
| 21729 | Ramelteon Impurity 26        | VS-R006040 | 1644657-91-9 |
| 21730 | Ramipril                     | VS-R007000 | 87333-19-5   |
| 21731 | Ramipril EP Impurity A       | VS-R007001 | 108313-11-7  |
| 21732 | Ramipril EP Impurity B       | VS-R007002 | 295328-72-2  |
| 21733 | Ramipril EP Impurity C       | VS-R007003 | 99742-35-5   |
| 21734 | Ramipril EP Impurity D       | VS-R007004 | 108731-95-9  |
| 21735 | Ramipril EP Impurity E       | VS-R007005 | 87269-97-4   |
| 21736 | Ramipril EP Impurity F       | VS-R007006 | 82717-96-2   |
| 21737 | Ramipril EP Impurity G       | VS-R007007 | 108-88-3     |
| 21738 | Ramipril EP Impurity H       | VS-R007008 | 104195-90-6  |
| 21739 | Ramipril EP Impurity I       | VS-R007009 | 129939-65-7  |
| 21740 | Ramipril EP Impurity J       | VS-R007010 | 1246253-05-3 |
| 21741 | Ramipril EP Impurity K       | VS-R007011 | 108736-10-3  |
| 21742 | Ramipril EP Impurity L       | VS-R007012 | 1309040-96-7 |
| 21743 | Ramipril EP Impurity M       | VS-R007013 | 2743-38-6    |
| 21744 | Ramipril EP Impurity N       | VS-R007014 | N/A          |
| 21745 | Ramipril EP Impurity O       | VS-R007015 | N/A          |
| 21746 | Ramipril Intermediate 1      | VS-R007016 | 87269-87-2   |
| 21747 | Ramipril Bicyclic Acid       | VS-R007017 | 80875-98-5   |
| 21748 | Ramipril Meglumine Amide     | VS-R007018 | N/A          |
| 21749 | Ramipril Acyl Glucuronide    | VS-R007019 | N/A          |
| 21750 | Ramiprilat Acyl Glucuronide  | VS-R007020 | 1357570-22-9 |
| 21751 | Ramipril Isomer 1            | VS-R007021 | N/A          |
| 21752 | Ramipril Impurity 1          | VS-R007022 | 94498-85-8   |
| 21753 | Ramipril Impurity 2          | VS-R007023 | N/A          |
| 21754 | Ramipril Impurity 3          | VS-R007024 | 84324-12-9   |
| 21755 | Ramipril Impurity 4          | VS-R007025 | 122076-80-6  |
| 21756 | Ramipril Impurity 5          | VS-R007026 | 1375192-85-0 |
| 21757 | Ramipril Impurity 6          | VS-R007027 | N/A          |
| 21758 | Ramipril Impurity 7          | VS-R007028 | N/A          |
| 21759 | Ramipril Impurity N          | VS-R007029 | 129939-63-5  |
| 21760 | Ramipril Impurity O          | VS-R007030 | 151387-05-2  |
| 21761 | N-Nitroso Ramipril           | VS-R007031 | NA           |
| 21762 | Ramipril EP Impurity C (HCl) | VS-R007032 | 885516-61-0  |
| 21763 | Ramosetron Hydrochloride     | VS-R008001 | 132907-72-3  |
| 21764 | Racemic Ramosetron           | VS-R008002 | 132036-39-6  |

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| 21765 | (S)-Ramosetron                               | VS-R008003 | 132036-90-9  |
| 21766 | Ranitidine HCl                               | VS-R009001 | 66357-59-3   |
| 21767 | Ranitidine EP Impurity A                     | VS-R009002 | 72126-78-4   |
| 21768 | Ranitidine EP Impurity B (2HCl)              | VS-R009003 | 72545-66-5   |
| 21769 | Ranitidine EP Impurity B (Fumarate salt)     | VS-R009004 | 91224-69-0   |
| 21770 | Ranitidine EP Impurity C                     | VS-R009005 | 73851-70-4   |
| 21771 | Ranitidine EP Impurity D                     | VS-R009006 | 117846-02-3  |
| 21772 | Ranitidine EP Impurity E                     | VS-R009007 | 73857-20-2   |
| 21773 | Ranitidine EP Impurity F                     | VS-R009008 | 81074-81-9   |
| 21774 | Ranitidine EP Impurity G                     | VS-R009009 | 112233-23-5  |
| 21775 | Ranitidine EP Impurity H                     | VS-R009010 | 72078-82-1   |
| 21776 | Ranitidine EP Impurity I                     | VS-R009011 | 207592-21-0  |
| 21777 | Ranitidine EP Impurity J                     | VS-R009012 | 1331637-48-9 |
| 21778 | Ranitidine EP Impurity K                     | VS-R009013 | 61832-41-5   |
| 21779 | Ranitidine EP Impurity L                     | VS-R009014 | 54252-45-8   |
| 21780 | Furfural Alcohol                             | VS-R009015 | 98-00-0      |
| 21781 | Ranitidine Resolution Mixture                | VS-R009016 | 66357-35-5   |
| 21782 | 2-Methoxy Propane                            | VS-R009017 | 598-53-8     |
| 21783 | Ranitidine Impurity 1                        | VS-R009018 | 72115-14-1   |
| 21784 | Ranitidine Impurity 2                        | VS-R009019 | 154018-75-4  |
| 21785 | Ranitidine Impurity G (HCl)                  | VS-R009020 | 148639-72-9  |
| 21786 | Ranitidine EP Impurity B                     | VS-R009021 | 66356-53-4   |
| 21787 | Ranitidine Impurity F (HCl)                  | VS-R009022 | 15433-79-1   |
| 21788 | Ranitidine EP Impurity B (hemifumarate salt) | VS-R009023 | 256948-32-0  |
| 21789 | Ranolazine                                   | VS-R010000 | 95635-55-5   |
| 21790 | Ranolazine USP Related Compound B            | VS-R010001 | N/A          |
| 21791 | Ranolazine Impurity C                        | VS-R010002 | 162712-35-8  |
| 21792 | Ranolazine USP Related Compound D            | VS-R010003 | 380204-72-8  |
| 21793 | Ranolazine Related Compound 1                | VS-R010004 | 5294-61-1    |
| 21794 | Ranolazine Related Compound 2                | VS-R010005 | 93-14-1      |
| 21795 | Ranolazine Related Compound 3                | VS-R010006 | N/A          |
| 21796 | Ranolazine Related Compound 4                | VS-R010007 | 2210-74-4    |
| 21797 | p-Ranolazine                                 | VS-R010008 | 1393717-45-7 |
| 21798 | 1-chloro-3-(2-methoxyphenoxy)propan-2-ol     | VS-R010009 | 25772-81-0   |
| 21799 | Ranolazine Dimer Impurity                    | VS-R010010 | 333749-57-8  |
| 21800 | Ranolazine N-Oxide                           | VS-R010011 | N/A          |
| 21801 | m-Ranolazine                                 | VS-R010012 | N/A          |
| 21802 | Dianisylglycerol                             | VS-R010013 | 16929-60-5   |
| 21803 | (S)-Ranolazine                               | VS-R010014 | 114246-81-0  |
| 21804 | (R)-Ranolazine                               | VS-R010015 | 114246-80-9  |
| 21805 | 2,3-Dimethyl Ranolazine Impurity             | VS-R010016 | N/A          |
| 21806 | 2,5-Dimethyl Ranolazine Impurity             | VS-R010017 | 780711-81-1  |
| 21807 | Ranolazine Impurity 1                        | VS-R010018 | 95635-77-1   |
| 21808 | Ranolazine Impurity 2                        | VS-R010019 | 95635-69-1   |
| 21809 | Ranolazine Impurity 3                        | VS-R010020 | N/A          |
| 21810 | Ranolazine Impurity 4                        | VS-R010021 | N/A          |
| 21811 | Ranolazine Impurity 6                        | VS-R010022 | 18865-38-8   |

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| 21812 | Ranolazine Impurity 7             | VS-R010023 | 20846-30-4   |
| 21813 | Ranolazine Impurity 9             | VS-R010024 | N/A          |
| 21814 | Ranolazine Impurity 10            | VS-R010025 | 1983943-76-5 |
| 21815 | Ranolazine Impurity 12            | VS-R010026 | N/A          |
| 21816 | Ranolazine Impurity 14            | VS-R010027 | 1246816-00-1 |
| 21817 | Ranolazine Impurity 15            | VS-R010028 | 294852-91-8  |
| 21818 | Ranolazine Impurity 16            | VS-R010029 | 07-04-64     |
| 21819 | Ranolazine Impurity 17            | VS-R010030 | N/A          |
| 21820 | Ranolazine Impurity 18            | VS-R010031 | N/A          |
| 21821 | Ranolazine Impurity 19            | VS-R010032 | N/A          |
| 21822 | Ranolazine Impurity 20            | VS-R010033 | N/A          |
| 21823 | Ranolazine USP Related Compound B | VS-R010034 | 755711-09-2  |
| 21824 | Ranolazine Impurity 24            | VS-R010035 | 172430-48-7  |
| 21825 | Ranolazine Impurity 25            | VS-R010036 | 2211-94-1    |
| 21826 | Ranolazine Impurity 26            | VS-R010037 | 2210-75-5    |
| 21827 | m-Ranolazine                      | VS-R010038 | 1393717-46-8 |
| 21828 | Ranolazine Ether Dimer            | VS-R010039 | 2731777-20-9 |
| 21829 | N-Nitroso Ranolazine Impurity 1   | VS-R010040 | N/A          |
| 21830 | N-Nitroso Ranolazine Impurity 2   | VS-R010041 | N/A          |
| 21831 | N-Nitroso Ranolazine              | VS-R010042 | N/A          |
| 21832 | Sirolimus                         | VS-R011001 | 53123-88-9   |
| 21833 | Sirolimus Isomer A                | VS-R011002 | N/A          |
| 21834 | Sirolimus Isomer B                | VS-R011003 | 157182-37-1  |
| 21835 | Sirolimus Isomer C                | VS-R011004 | 150821-39-9  |
| 21836 | Seco Rapamycin                    | VS-R011005 | 148554-65-8  |
| 21837 | 7-O-Demethyl Rapamycin            | VS-R011006 | 151519-50-5  |
| 21838 | Prolysirolimus                    | VS-R011007 | N/A          |
| 21839 | Desmethylsirolimus                | VS-R011008 | 141392-23-6  |
| 21840 | Sirolimus dialdehyde              | VS-R011009 | 500733-49-3  |
| 21841 | 27-O-Desmethyl Sirolimus          | VS-R011010 | N/A          |
| 21842 | 11-Ethyl Methyl Sirolimus         | VS-R011011 | N/A          |
| 21843 | 28-Epi-Rapamycin                  | VS-R011012 | 253431-35-5  |
| 21844 | 12-Desmethyl Rapamycin            | VS-R011013 | 156223-31-3  |
| 21845 | 12-Ethyl Rapamycin                | VS-R011014 | 1290606-20-0 |
| 21846 | Sirolimus-31,42-Diester Impurity  | VS-R011015 | N/A          |
| 21847 | Rapamycin Impurity 1              | VS-R011016 | N/A          |
| 21848 | Rapamycin Impurity 2              | VS-R011017 | 1704711-12-5 |
| 21849 | Rapamycin Impurity 3              | VS-R011018 | 408496-50-4  |
| 21850 | Rapamycin Impurity 4              | VS-R011019 | N/A          |
| 21851 | Rapamycin Impurity 5              | VS-R011020 | 147438-30-0  |
| 21852 | Rapamycin Impurity 6              | VS-R011021 | N/A          |
| 21853 | Rapamycin Impurity 7              | VS-R011022 | N/A          |
| 21854 | Rapamycin Impurity 8              | VS-R011023 | 1290606-21-1 |
| 21855 | 27-demethoxyrapamycin             | VS-R011024 | 83482-58-0   |
| 21856 | Seco Rapamycin                    | VS-R011025 | 147438-27-5  |
| 21857 | Rasagiline Mesylate               | VS-R012001 | 161735-79-1  |
| 21858 | Rasagiline Glucuronide            | VS-R012002 | 1260595-18-3 |

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| 21859 | Rasagiline Sulfate                             | VS-R012003 | N/A          |
| 21860 | Rasagiline N-Carbamoyl Glucuronide             | VS-R012004 | N/A          |
| 21861 | N-2-Propynyl Rasagiline HCl                    | VS-R012005 | 1458609-07-8 |
| 21862 | N-(2-Chloroallyl) aminoindan HCl               | VS-R012006 | 1179031-47-0 |
| 21863 | Rasagiline Dimer Impurity                      | VS-R012007 | N/A          |
| 21864 | (R)-1-Aminoindan L-Tartrate                    | VS-R012008 | 10277-74-4   |
| 21865 | 2-Chloro Rasagiline Impurity                   | VS-R012009 | 1175018-73-1 |
| 21866 | 3-Chloro Rasagiline Impurity                   | VS-R012010 | 1175018-74-2 |
| 21867 | S-isomer of Rasagiline                         | VS-R012011 | 185517-74-2  |
| 21868 | 1-Amino Indane Hydrochloride                   | VS-R012012 | 70146-15-5   |
| 21869 | 1-Indanone                                     | VS-R012013 | 83-33-0      |
| 21870 | Dimer Impurity                                 | VS-R012014 | 92850-02-7   |
| 21871 | Allyl Indanyl amine Impurity                   | VS-R012015 | 1166392-43-3 |
| 21872 | Propyl Indanyl amine Impurity                  | VS-R012016 | 1016719-48-4 |
| 21873 | Rasagiline Fumarte                             | VS-R012017 | 164294-87-5  |
| 21874 | 1-Amino Indane                                 | VS-R012018 | 34698-41-4   |
| 21875 | 2-Chloro Rasagiline Methanesulfonate Impurity  | VS-R012019 | 1175018-81-1 |
| 21876 | Propyl Indanyl Amine Methanesulfonate Impurity | VS-R012020 | N/A          |
| 21877 | N-Propargyl-1-aminoindane                      | VS-R012021 | 1875-50-9    |
| 21878 | Rasagiline Hemitartrate                        | VS-R012022 | 136236-52-7  |
| 21879 | (R)-1-Aminoindane hydrochloride                | VS-R012023 | 10305-73-4   |
| 21880 | (S)-1-Aminoindane                              | VS-R012024 | 61341-86-4   |
| 21881 | Rasagiline Related Compound 1                  | VS-R012025 | 1312077-05-6 |
| 21882 | Rasagiline Impurity 1                          | VS-R012026 | 32457-23-1   |
| 21883 | Rasagiline Impurity 2                          | VS-R012027 | 480-90-0     |
| 21884 | Rasagiline Impurity 4                          | VS-R012028 | 1175018-79-7 |
| 21885 | Rasagiline Impurity 5                          | VS-R012029 | 1312077-04-5 |
| 21886 | Rasagiline Impurity 6                          | VS-R012030 | 180915-70-2  |
| 21887 | Allyl Indanyl amine Impurity (free base)       | VS-R012031 | 1166392-42-2 |
| 21888 | Rasagiline Keto Impurity                       | VS-R012032 | 1312077-03-4 |
| 21889 | N-Nitroso-Rasagiline                           | VS-R012033 | 2470278-90-9 |
| 21890 | N-Nitroso Rasagiline-D4                        | VS-R012034 | NA           |
| 21891 | Rasagiline                                     | VS-R012035 | 136236-51-6  |
| 21892 | Ravunaconazole                                 | VS-R013000 | 182760-06-1  |
| 21893 | Ravunaconazole Impurity 2                      | VS-R013001 | 132507-94-9  |
| 21894 | Ravunaconazole Enantiomer Impurity             | VS-R013002 | N/A          |
| 21895 | Ravunaconazole Diastereomer Impurity           | VS-R013003 | 1798027-22-1 |
| 21896 | Rebamipide                                     | VS-R014000 | 90098-04-7   |
| 21897 | Desbenzoyl Rebamipide                          | VS-R014001 | 4876-14-6    |
| 21898 | Rebamipide 3-Chloro Impurity                   | VS-R014002 | 90098-05-8   |
| 21899 | Rebamipide 2-Chloro Impurity                   | VS-R014003 | 90098-06-9   |
| 21900 | Rebamipide Impurity 1                          | VS-R014004 | 100342-53-8  |
| 21901 | Rebamipide Impurity 2                          | VS-R014005 | 94670-39-0   |
| 21902 | Desbenzoyl Rebamipide (free base)              | VS-R014006 | 5162-90-3    |
| 21903 | 4-Chlorobenzamide                              | VS-R014007 | 619-56-7     |
| 21904 | Reboxetine                                     | VS-R015000 | 98769-81-4   |
| 21905 | Regadenoson                                    | VS-R016000 | 313348-27-5  |

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| 21906 | Regadenoson Impurity A                       | VS-R016001 | 313348-16-2  |
| 21907 | Regadenoson Impurity B                       | VS-R016002 | 313348-29-7  |
| 21908 | Regadenoson Impurity C                       | VS-R016003 | 1702334-23-3 |
| 21909 | Regadenoson Impurity D                       | VS-R016004 | 1154383-52-4 |
| 21910 | 2-Chloroadenosine-2',3'-acetone              | VS-R016005 | 146-77-0     |
| 21911 | Regadenoson Impurity 1                       | VS-R016006 | 2015222-31-6 |
| 21912 | Regadenoson Impurity 2                       | VS-R016007 | 2015222-35-0 |
| 21913 | Regadenoson Impurity 3                       | VS-R016008 | 79999-39-6   |
| 21914 | Regorafenib                                  | VS-R017000 | 755037-03-7  |
| 21915 | Regorafenib FP Impurity A                    | VS-R017001 | 2514957-39-0 |
| 21916 | Regorafenib EP Impurity A                    | VS-R017002 | 757251-39-1  |
| 21917 | Regorafenib EP Impurity B                    | VS-R017003 | 2141961-84-2 |
| 21918 | Regorafenib EP Impurity C                    | VS-R017004 | 1855006-12-0 |
| 21919 | Regorafenib EP Impurity D                    | VS-R017005 | 2438857-80-6 |
| 21920 | Regorafenib Impurity E                       | VS-R017006 | 2098799-13-2 |
| 21921 | N-Desmethyl Regorafenib N-Oxide              | VS-R017007 | 835621-12-0  |
| 21922 | Regorafenib desmethyl impurity               | VS-R017008 | 1343498-72-5 |
| 21923 | Regorafenib Impurity II                      | VS-R017009 | N/A          |
| 21924 | Regorafenib Impurity V                       | VS-R017010 | 2188236-16-8 |
| 21925 | Regorafenib Dipyrimidine Impurity            | VS-R017011 | N/A          |
| 21926 | Regorafenib N-oxide                          | VS-R017012 | 835621-11-9  |
| 21927 | Relebactam                                   | VS-R018000 | 1174018-99-5 |
| 21928 | Relugolix                                    | VS-R019000 | 737789-87-6  |
| 21929 | N-methoxyacetamide                           | VS-R019001 | 5806-90-6    |
| 21930 | Relugolix Impurity 1                         | VS-R019002 | N/A          |
| 21931 | Relugolix Impurity 2                         | VS-R019003 | N/A          |
| 21932 | Relugolix Impurity 3                         | VS-R019004 | N/A          |
| 21933 | Relugolix Impurity 4                         | VS-R019005 | N/A          |
| 21934 | Relugolix Impurity 5                         | VS-R019006 | N/A          |
| 21935 | Relugolix Impurity 6                         | VS-R019007 | N/A          |
| 21936 | Remdesivir                                   | VS-R020000 | 1809249-37-3 |
| 21937 | Remdesivir Impurity A                        | VS-R020001 | N/A          |
| 21938 | Remdesivir Impurity C                        | VS-R020002 | 2563618-05-1 |
| 21939 | Remdesivir S-isomer at CN                    | VS-R020003 | N/A          |
| 21940 | Remdesivir D-alanine isomer                  | VS-R020004 | 2093124-26-4 |
| 21941 | Remdesivir R-P isomer                        | VS-R020005 | 1911578-75-0 |
| 21942 | Remdesivir Acid impurity                     | VS-R020006 | N/A          |
| 21943 | Remdesivir Des alanine Impurity              | VS-R020007 | 2607871-93-0 |
| 21944 | Remdesivir O-Desphosphate Analogue           | VS-R020008 | 1191237-69-0 |
| 21945 | Remdesivir O-Desphosphate Acetonide Impurity | VS-R020009 | 1191237-80-5 |
| 21946 | Remdesivir O-Desphosphate Tri-OBn Impurity   | VS-R020010 | 1355049-94-3 |
| 21947 | Remdesivir R-P D-alanine isomer              | VS-R020011 | 2096990-00-8 |
| 21948 | Remdesivir triphosphate Sodium               | VS-R020012 | 1355050-21-3 |
| 21949 | Desphenyl Impurity                           | VS-R020013 | N/A          |
| 21950 | Desphenyl Acid Impurity                      | VS-R020014 | N/A          |
| 21951 | Bis Phosphoryl Impurity                      | VS-R020015 | N/A          |
| 21952 | Remdesivir hydroxy N-Oxide                   | VS-R020016 | N/A          |

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| 21953 | Remdesivir 5'-Desphosphate 3'-O-[(S)phosphate] | VS-R020017 | N/A          |
| 21954 | Remdesivir 5'-Desphosphate 2'-O-[(S)phosphate] | VS-R020018 | N/A          |
| 21955 | Remdesivir N-Oxide                             | VS-R020019 | N/A          |
| 21956 | Remdesivir R-P isomer                          | VS-R020020 | N/A          |
| 21957 | Remdesivir Phosphate Impurity                  | VS-R020021 | 1911578-74-9 |
| 21958 | Remdesivir Metabolite GS-443902                | VS-R020022 | 1355149-45-9 |
| 21959 | Remdesivir Dihydroxy Impurity                  | VS-R020023 | N/A          |
| 21960 | Remdesivir Impurity 1                          | VS-R020024 | 1355049-95-4 |
| 21961 | Remdesivir Impurity 2                          | VS-R020025 | N/A          |
| 21962 | Remdesivir Impurity 3                          | VS-R020026 | N/A          |
| 21963 | Remdesivir Impurity 4                          | VS-R020027 | 1354823-36-1 |
| 21964 | Remdesivir Impurity 5                          | VS-R020028 | 1354823-37-2 |
| 21965 | Remdesivir Impurity 6                          | VS-R020029 | 2096985-18-9 |
| 21966 | Remdesivir Impurity 7                          | VS-R020030 | N/A          |
| 21967 | Remdesivir Impurity 8                          | VS-R020031 | N/A          |
| 21968 | Remdesivir Impurity 9                          | VS-R020032 | 1689993-65-4 |
| 21969 | Remdesivir Impurity 10                         | VS-R020033 | N/A          |
| 21970 | Remdesivir Impurity 14                         | VS-R020034 | N/A          |
| 21971 | Remdesivir Impurity 16                         | VS-R020035 | 946565-74-8  |
| 21972 | Remdesivir Impurity 20                         | VS-R020036 | 1884576-18-4 |
| 21973 | Remdesivir Impurity 21                         | VS-R020037 | 1911578-98-7 |
| 21974 | Remdesivir Impurity 23                         | VS-R020038 | 159326-68-8  |
| 21975 | Remdesivir Impurity 24                         | VS-R020039 | 54623-25-5   |
| 21976 | Remdesivir Impurity 28                         | VS-R020040 | 2093124-22-0 |
| 21977 | Remdesivir Impurity 29                         | VS-R020041 | 1355049-92-1 |
| 21978 | Remdesivir Impurity 30                         | VS-R020042 | 1770840-43-1 |
| 21979 | Remdesivir Impurity 31                         | VS-R020043 | 2568148-57-0 |
| 21980 | Remdesivir Impurity 32                         | VS-R020044 | N/A          |
| 21981 | Remdesivir Impurity 33                         | VS-R020045 | 1355357-49-1 |
| 21982 | Remdesivir Impurity 34                         | VS-R020046 | 937046-98-5  |
| 21983 | Remdesivir Impurity 35                         | VS-R020047 | 55094-52-5   |
| 21984 | Remdesivir Impurity 36                         | VS-R020048 | 1439900-56-7 |
| 21985 | Remdesivir Impurity 37                         | VS-R020049 | 1369903-46-7 |
| 21986 | Remdesivir Impurity 38                         | VS-R020050 | N/A          |
| 21987 | Remdesivir Impurity 39                         | VS-R020051 | 793-12-4     |
| 21988 | Remdesivir Impurity 40                         | VS-R020052 | 1911579-04-8 |
| 21989 | Remdesivir Impurity 41                         | VS-R020053 | 5435-24-5    |
| 21990 | Remdesivir Impurity 42                         | VS-R020054 | N/A          |
| 21991 | Remdesivir Impurity 43                         | VS-R020055 | 2601424-37-5 |
| 21992 | Remdesivir Impurity 44                         | VS-R020056 | 937046-97-4  |
| 21993 | Remdesivir Impurity 45                         | VS-R020057 | N/A          |
| 21994 | Remdesivir Impurity 46                         | VS-R020058 | N/A          |
| 21995 | Remdesivir Impurity 47                         | VS-R020059 | N/A          |
| 21996 | Remogliflozin                                  | VS-R021000 | 329045-45-6  |
| 21997 | Remogliflozin Etaborate                        | VS-R021001 | 442201-24-3  |
| 21998 | Repaglinide                                    | VS-R022000 | 135062-02-1  |
| 21999 | Repaglinide EP Impurity A                      | VS-R022001 | 220438-80-2  |



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|-------|------------------------------------------------|------------|--------------|
| 22000 | Repaglinide EP Impurity B                      | VS-R022002 | 99469-99-5   |
| 22001 | Repaglinide EP Impurity C                      | VS-R022003 | 147769-93-5  |
| 22002 | Repaglinide Impurity C                         | VS-R022004 | 1803084-79-8 |
| 22003 | Repaglinide EP Impurity D                      | VS-R022005 | 147770-06-7  |
| 22004 | Repaglinide EP Impurity E                      | VS-R022006 | 147852-26-4  |
| 22005 | Repaglinide M1 Metabolite                      | VS-R022007 | 874908-11-9  |
| 22006 | Repaglinide Impurity 1                         | VS-R022008 | N/A          |
| 22007 | Repaglinide Impurity 2                         | VS-R022009 | 107362-46-9  |
| 22008 | Repaglinide Impurity 3                         | VS-R022010 | 1403782-38-6 |
| 22009 | 2-Desisopropyl-2-phenyl Repaglinide            | VS-R022011 | 107362-12-9  |
| 22010 | Repaglinide RIomer Ethyl Ester                 | VS-R022012 | 147770-08-9  |
| 22011 | 3-Ethoxy-4-Methoxy Carbonyl Phenyl Acetic Acid | VS-R022013 | 503834-19-3  |
| 22012 | Repaglinide Impurity 4                         | VS-R022014 | 88709-17-5   |
| 22013 | Resveratrol                                    | VS-R023000 | 501-36-0     |
| 22014 | Cis Resveratrol                                | VS-R023001 | 61434-67-1   |
| 22015 | Retinol                                        | VS-R024000 | 68-26-8      |
| 22016 | Retinol EP Impurity A                          | VS-R024001 | 4626-00-0    |
| 22017 | Retinol EP Impurity B                          | VS-R024002 | 1224-78-8    |
| 22018 | Retinol EP Impurity C                          | VS-R024003 | 16729-22-9   |
| 22019 | Vitamin A Acetate                              | VS-R024004 | 127-47-9     |
| 22020 | Retro Vitamin-A                                | VS-R024005 | N/A          |
| 22021 | Retinol Impurity 1                             | VS-R024006 | 144407-18-1  |
| 22022 | Retrorsine                                     | VS-R025000 | 480-54-6     |
| 22023 | Retrorsine N-oxide                             | VS-R025001 | 15503-86-3   |
| 22024 | Revefenacin                                    | VS-R026000 | 864750-70-9  |
| 22025 | Revefenacin N-Oxide-1 Impurity                 | VS-R026001 | N/A          |
| 22026 | Revefenacin N-Oxide-2 Impurity                 | VS-R026002 | N/A          |
| 22027 | Revefinacin Alcohol Impurity                   | VS-R026003 | 1682660-39-4 |
| 22028 | 4-Formylbenzoic Acid                           | VS-R026004 | 619-66-9     |
| 22029 | Isonipecotamide                                | VS-R026005 | 39546-32-2   |
| 22030 | Revefenacin Impurity 1                         | VS-R026006 | 1158699-78-5 |
| 22031 | Revefenacin Impurity 2                         | VS-R026007 | N/A          |
| 22032 | Revefenacin Impurity 3                         | VS-R026008 | 909800-36-8  |
| 22033 | Revefenacin Impurity 4                         | VS-R026009 | N/A          |
| 22034 | Revefenacin Impurity 5                         | VS-R026010 | 938143-02-3  |
| 22035 | Revefenacin Impurity 6                         | VS-R026011 | N/A          |
| 22036 | Revefenacin Impurity 7                         | VS-R026012 | N/A          |
| 22037 | Revefenacin Impurity 8                         | VS-R026013 | 743460-48-2  |
| 22038 | Revefenacin Impurity 9                         | VS-R026014 | 864686-28-2  |
| 22039 | Revefenacin Impurity 10                        | VS-R026015 | 171722-92-2  |
| 22040 | Revefenacin Impurity 11                        | VS-R026016 | 107201-33-2  |
| 22041 | Revefenacin Impurity 12                        | VS-R026017 | 743460-49-3  |
| 22042 | Revefenacin Impurity 13                        | VS-R026018 | 864760-28-1  |
| 22043 | Revefenacin Impurity 14                        | VS-R026019 | 90-41-5      |
| 22044 | Revefenacin Impurity 15                        | VS-R026020 | N/A          |
| 22045 | Revefenacin Impurity 16                        | VS-R026021 | N/A          |
| 22046 | Revefenacin Impurity 17                        | VS-R026022 | N/A          |

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| 22047 | Revefenacin Impurity 18                     | VS-R026023 | N/A          |
| 22048 | Revefenacin Impurity 19                     | VS-R026024 | 32315-10-9   |
| 22049 | Revefenacin Impurity 20                     | VS-R026025 | 115293-14-6  |
| 22050 | Revefenacin Impurity 21                     | VS-R026026 | N/A          |
| 22051 | Revefenacin Impurity 22                     | VS-R026027 | 171723-80-1  |
| 22052 | Revefenacin Impurity 23                     | VS-R026028 | 50443-60-2   |
| 22053 | Revefenacin Dimer Impurity 4                | VS-R026029 | NA           |
| 22054 | Ribavirin                                   | VS-R027000 | 36791-04-5   |
| 22055 | Ribavirin EP Impurity A                     | VS-R027001 | 39925-19-4   |
| 22056 | Ribavirin EP Impurity B                     | VS-R027002 | 57198-02-4   |
| 22057 | Ribavirin EP Impurity C                     | VS-R027003 | 4928-87-4    |
| 22058 | Ribavirin EP Impurity D                     | VS-R027004 | 05-08-41     |
| 22059 | Ribavirin EP Impurity F                     | VS-R027005 | 58151-87-4   |
| 22060 | Ribavirin EP Impurity G                     | VS-R027006 | 39030-43-8   |
| 22061 | Ribavirin Impurity M                        | VS-R027007 | 50730-26-2   |
| 22062 | Ribociclib                                  | VS-R028000 | 1211441-98-3 |
| 22063 | Ribociclib Succinate                        | VS-R028001 | 1374639-75-4 |
| 22064 | Ribociclib HCl                              | VS-R028002 | 1211443-80-9 |
| 22065 | Ribociclib N-Desmethyl Metabolite           | VS-R028003 | N/A          |
| 22066 | Ribociclib N,N-DiDesmethyl Metabolite       | VS-R028004 | N/A          |
| 22067 | Ribociclib Chloro Amide Impurity            | VS-R028005 | 1211443-61-6 |
| 22068 | Ribociclib Chloro Hydroxy Impurity          | VS-R028006 | 1374639-77-6 |
| 22069 | Ribociclib Hydrobromide                     | VS-R028007 | 2209917-73-5 |
| 22070 | Ribociclib Sulfate                          | VS-R028008 | 2209917-76-8 |
| 22071 | N-Formyl Ribociclib                         | VS-R028009 | N/A          |
| 22072 | Ribociclib N-Desmethyl Metabolite Free base | VS-R028010 | 1211441-59-6 |
| 22073 | Ribociclib Impurity 1                       | VS-R028011 | N/A          |
| 22074 | Ribociclib Impurity 2                       | VS-R028012 | N/A          |
| 22075 | Ribociclib Impurity 3                       | VS-R028013 | N/A          |
| 22076 | Ribociclib Impurity 4                       | VS-R028014 | N/A          |
| 22077 | Ribociclib Impurity 5                       | VS-R028015 | N/A          |
| 22078 | Ribociclib Impurity 6                       | VS-R028016 | 2514753-27-4 |
| 22079 | Ribociclib Impurity 7                       | VS-R028017 | N/A          |
| 22080 | Ribociclib Impurity 8                       | VS-R028018 | 1374639-76-5 |
| 22081 | Ribociclib Impurity 9                       | VS-R028019 | 1211443-55-8 |
| 22082 | Ribociclib Impurity 10                      | VS-R028020 | N/A          |
| 22083 | Ribociclib Impurity 11                      | VS-R028021 | N/A          |
| 22084 | Ribociclib Impurity 12                      | VS-R028022 | 2460738-27-4 |
| 22085 | Ribociclib Impurity 13                      | VS-R028023 | 2460734-07-8 |
| 22086 | Ribociclib Impurity 14                      | VS-R028024 | N/A          |
| 22087 | Ribociclib Impurity 15                      | VS-R028025 | 2460732-08-3 |
| 22088 | Ribociclib Impurity 16                      | VS-R028026 | N/A          |
| 22089 | Ribociclib Impurity 17                      | VS-R028027 | N/A          |
| 22090 | Ribociclib Impurity 18                      | VS-R028028 | 1823404-28-9 |
| 22091 | Ribociclib Impurity 19                      | VS-R028029 | 1214279-37-4 |
| 22092 | Ribociclib Impurity 20                      | VS-R028030 | 2481084-18-6 |
| 22093 | Ribociclib Impurity 21                      | VS-R028031 | N/A          |

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| 22094 | Ribociclib Impurity 22                  | VS-R028032 | N/A          |
| 22095 | Ribociclib Impurity 23                  | VS-R028033 | N/A          |
| 22096 | Ribociclib Impurity 24                  | VS-R028034 | N/A          |
| 22097 | Ribociclib Impurity 25                  | VS-R028035 | N/A          |
| 22098 | Ribociclib Impurity 26                  | VS-R028036 | N/A          |
| 22099 | Ribociclib Impurity 27                  | VS-R028037 | 1298101-40-2 |
| 22100 | Ribociclib Impurity 28                  | VS-R028038 | 36082-50-5   |
| 22101 | Ribociclib Impurity 29                  | VS-R028039 | 733039-20-8  |
| 22102 | Ribociclib Impurity 30                  | VS-R028040 | 1082876-26-3 |
| 22103 | Ribociclib Nitroso Impurity 1           | VS-R028041 | N/A          |
| 22104 | Ribociclib Nitroso Impurity 2           | VS-R028042 | N/A          |
| 22105 | Ribociclib Nitroso Impurity 3           | VS-R028043 | N/A          |
| 22106 | Riboflavin                              | VS-R029000 | 83-88-5      |
| 22107 | Riboflavin EP Impurity A                | VS-R029001 | 1088-56-8    |
| 22108 | Riboflavin EP Impurity B                | VS-R029002 | 1086-80-2    |
| 22109 | Riboflavin EP Impurity C                | VS-R029003 | 2535-20-8    |
| 22110 | Riboflavin EP Impurity D                | VS-R029004 | N/A          |
| 22111 | Riboflavin 5'-Monosodium Salt Dihydrate | VS-R029005 | 6184-17-4    |
| 22112 | Riboflavin Phosphate Sodium             | VS-R029006 | 130-40-5     |
| 22113 | Riboflavin-3'-phosphate                 | VS-R029007 | 80400-93-7   |
| 22114 | Riboflavin-4'-phosphate                 | VS-R029008 | 60697-29-2   |
| 22115 | Riboflavin 3',4'-Diphosphate            | VS-R029009 | 86108-27-2   |
| 22116 | Riboflavin 3',5'-Diphosphate            | VS-R029010 | 86108-26-1   |
| 22117 | Riboflavin 4',5'-Diphosphate            | VS-R029011 | 86108-25-0   |
| 22118 | Riboflavine Tetrabutyrates              | VS-R029012 | 752-56-7     |
| 22119 | Riboflavin Impurity 1                   | VS-R029013 | N/A          |
| 22120 | Ridinilazole                            | VS-R030000 | 308362-25-6  |
| 22121 | Ridinilazole Impurity B                 | VS-R030001 | 91-94-1      |
| 22122 | Ridinilazole Impurity D                 | VS-R030002 | 91-95-2      |
| 22123 | Ridinilazole Impurity E                 | VS-R030003 | 1351282-48-8 |
| 22124 | Ridinilazole Impurity F                 | VS-R030004 | N/A          |
| 22125 | Ridinilazole Impurity I                 | VS-R030005 | 1351282-39-7 |
| 22126 | Ridinilazole Nitroso Impurity 1         | VS-R030006 | N/A          |
| 22127 | Ridinilazole Nitroso Impurity 2         | VS-R030007 | N/A          |
| 22128 | Ridinilazole Nitroso Impurity 3         | VS-R030008 | N/A          |
| 22129 | Rifabutin                               | VS-R031000 | 72559-06-9   |
| 22130 | Rifabutin EP Impurity A                 | VS-R031001 | 72544-16-2   |
| 22131 | Rifabutin EP Impurity B                 | VS-R031002 | 51756-80-0   |
| 22132 | Rifabutin EP Impurity C                 | VS-R031003 | 2241829-23-0 |
| 22133 | Rifabutin EP Impurity D                 | VS-R031004 | 62041-01-4   |
| 22134 | Rifabutin EP Impurity E                 | VS-R031005 | 100324-63-8  |
| 22135 | Rifabutin N-Oxide                       | VS-R031006 | 645406-37-7  |
| 22136 | Rifabutin Impurity 1                    | VS-R031007 | N/A          |
| 22137 | Rifabutin Impurity 2                    | VS-R031008 | N/A          |
| 22138 | Rifampicin                              | VS-R032000 | 13292-46-1   |
| 22139 | Rifampicin EP Impurity A                | VS-R032001 | 13983-13-6   |
| 22140 | Rifampicin EP Impurity B                | VS-R032002 | 125833-03-6  |

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| 22141 | N-Methylrifampin                           | VS-R032003 | N/A          |
| 22142 | Methylpiperazine Rifampin O                | VS-R032004 | N/A          |
| 22143 | 3-Formyl Rifamycin Isonicotinoyl Hydrazone | VS-R032005 | 13292-53-0   |
| 22144 | 3-Formyl Rifamycin                         | VS-R032006 | 13292-22-3   |
| 22145 | Rifampicin N-oxide                         | VS-R032007 | 51963-55-4   |
| 22146 | 30 Hydroxy Rifampicin                      | VS-R032008 | N/A          |
| 22147 | Rifampicin Impurity 1                      | VS-R032009 | N/A          |
| 22148 | Rifampicin Impurity 2                      | VS-R032010 | N/A          |
| 22149 | Rifampicin Impurity 3                      | VS-R032011 | N/A          |
| 22150 | Rifamycin                                  | VS-R033000 | 6998-60-3    |
| 22151 | Rifamycin Impurity A                       | VS-R033001 | 13929-35-6   |
| 22152 | Rifamycin Impurity B                       | VS-R033002 | 13553-79-2   |
| 22153 | Rifamycin Impurity C                       | VS-R033003 | 14487-05-9   |
| 22154 | Desacetyl Rifamycin SV                     | VS-R033004 | 17750-90-2   |
| 22155 | Desacetyl Rifamycin S                      | VS-R033005 | 17555-51-0   |
| 22156 | Rifapentine                                | VS-R034000 | 61379-65-5   |
| 22157 | 25-Desacetyl Rifapentine                   | VS-R034001 | 79039-56-8   |
| 22158 | Rifapentine N-Oxide                        | VS-R034002 | N/A          |
| 22159 | Rifapentine Quinone                        | VS-R034003 | N/A          |
| 22160 | Rifapentine Impurity 1                     | VS-R034004 | 16783-97-4   |
| 22161 | Rifapentine Impurity 2                     | VS-R034005 | N/A          |
| 22162 | Rifaximin                                  | VS-R035000 | 80621-81-4   |
| 22163 | Rifaximin EP Impurity A                    | VS-R035001 | 695-34-1     |
| 22164 | Rifaximin EP Impurity B                    | VS-R035002 | 13929-35-6   |
| 22165 | Rifaximin EP Impurity C                    | VS-R035003 | 14897-39-3   |
| 22166 | Rifaximin EP Impurity D                    | VS-R035004 | N/A          |
| 22167 | Rifaximin EP Impurity E                    | VS-R035005 | 13553-79-2   |
| 22168 | Rifaximin EP Impurity F                    | VS-R035006 | 14487-05-9   |
| 22169 | Rifaximin EP Impurity G                    | VS-R035007 | 80621-76-7   |
| 22170 | Rifaximin EP Impurity H                    | VS-R035008 | 1210022-90-4 |
| 22171 | 25-Desacetyl Rifampicin                    | VS-R035009 | 16783-99-6   |
| 22172 | 25-Desacetyl-21-acetyl rifampicin          | VS-R035010 | N/A          |
| 22173 | 25-Desacetyl Rifaximin                     | VS-R035011 | 80621-88-1   |
| 22174 | Rifaximin Impurity 1                       | VS-R035012 | 1351775-04-6 |
| 22175 | Rifaximin Impurity 2                       | VS-R035013 | 1351775-03-5 |
| 22176 | Rilpivirine                                | VS-R036000 | 500287-72-9  |
| 22177 | Rilpivirine Z-Isomer                       | VS-R036001 | 500287-94-5  |
| 22178 | Rilpivirine N-Glucuronide                  | VS-R036002 | 1437791-52-0 |
| 22179 | Rilpivirine Chloro Impurity                | VS-R036003 | 244768-32-9  |
| 22180 | Rilpivirine (E)-Nitrile Impurity           | VS-R036004 | 500292-94-4  |
| 22181 | Rilpivirine Keto Impurity                  | VS-R036005 | 189956-45-4  |
| 22182 | Rilpivirine N-Oxide                        | VS-R036006 | N/A          |
| 22183 | Rilpivirine Amide Impurity 1               | VS-R036007 | 500288-66-4  |
| 22184 | Rilpivirine Amide Impurity 2               | VS-R036008 | 1446439-51-5 |
| 22185 | Rilpivirine (Z)-Nitrile Impurity           | VS-R036009 | 661489-22-1  |
| 22186 | Rilpivirine E-Z Mixture Isomer             | VS-R036010 | 620622-82-4  |
| 22187 | Rilpivirine Dipyrimidinyl Impurity         | VS-R036011 | N/A          |

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| 22188 | Rilpivirine Methyl ester impurity    | VS-R036012 | N/A          |
| 22189 | Mononitroso Rilpivirine - I          | VS-R036013 | N/A          |
| 22190 | Mononitroso Rilpivirine - II         | VS-R036014 | N/A          |
| 22191 | Rilpivirine ADPA Impurity            | VS-R036015 | 500292-90-0  |
| 22192 | Rilpivirine Iodo Impurity            | VS-R036016 | 661489-24-3  |
| 22193 | Rilpivirine Dimethyl Phenyl Impurity | VS-R036017 | 244768-59-0  |
| 22194 | Rilpivirine Impurity 1               | VS-R036018 | 1629023-90-0 |
| 22195 | Rilpivirine Impurity 2               | VS-R036019 | N/A          |
| 22196 | Rilpivirine Impurity 3               | VS-R036020 | N/A          |
| 22197 | Rilpivirine Impurity 4               | VS-R036021 | N/A          |
| 22198 | Rilpivirine Impurity 5               | VS-R036022 | N/A          |
| 22199 | Rilpivirine Impurity 6               | VS-R036023 | N/A          |
| 22200 | Rilpivirine Impurity 7               | VS-R036024 | N/A          |
| 22201 | Rilpivirine Impurity 8               | VS-R036025 | N/A          |
| 22202 | Rilpivirine Hydrochloride            | VS-R036026 | 700361-47-3  |
| 22203 | Despropenenitrile Bromo Rilpivirine  | VS-R036027 | 374067-85-3  |
| 22204 | Rilpivirine Nitroso Impurity         | VS-R036028 | N/A          |
| 22205 | Dinitroso Rilpivirine                | VS-R036029 | N/A          |
| 22206 | Riluzole                             | VS-R037000 | 1744-22-5    |
| 22207 | Riluzole USP Related Compound A      | VS-R037001 | 461-82-5     |
| 22208 | Bromoriluzole                        | VS-R037002 | 144631-82-3  |
| 22209 | Dibromotrifluoro methoxyaniline      | VS-R037003 | 88149-49-9   |
| 22210 | Riluzole 5-Trifluoromethoxy Isomer   | VS-R037004 | 752969-85-0  |
| 22211 | Riluzole 4-Trifluoromethoxy Isomer   | VS-R037005 | 235101-36-7  |
| 22212 | N-Hydroxy Riluzole                   | VS-R037006 | 179070-90-7  |
| 22213 | Riluzole N-Hydroxy N-β-D-Glucuronide | VS-R037007 | N/A          |
| 22214 | Riluzole N-Hydroxy O-β-D-Glucuronide | VS-R037008 | 1394929-56-6 |
| 22215 | Riluzole N-β-D-Glucuronide           | VS-R037009 | N/A          |
| 22216 | Riluzole Impurity 1                  | VS-R037010 | 1391054-04-8 |
| 22217 | Riociguat                            | VS-R038000 | 625115-55-1  |
| 22218 | Riociguat USP Related Compound A     | VS-R038001 | 625115-52-8  |
| 22219 | Riociguat USP Related Compound B     | VS-R038002 | N/A          |
| 22220 | Riociguat USP Related Compound C     | VS-R038003 | N/A          |
| 22221 | Riociguat Impurity D                 | VS-R038004 | 625115-54-0  |
| 22222 | Riociguat M1 Glucuronide             | VS-R038005 | N/A          |
| 22223 | Riociguat Intermediate               | VS-R038006 | 428854-23-3  |
| 22224 | Riociguat Tri Amino impurity         | VS-R038007 | 428854-24-4  |
| 22225 | Riociguat Impurity 2                 | VS-R038008 | 304874-06-4  |
| 22226 | Riociguat Impurity 3                 | VS-R038009 | N/A          |
| 22227 | Riociguat Impurity 4                 | VS-R038010 | N/A          |
| 22228 | Riociguat Impurity 5                 | VS-R038011 | 2514697-53-9 |
| 22229 | Riociguat Impurity 6                 | VS-R038012 | 1702271-98-4 |
| 22230 | Riociguat Impurity 7                 | VS-R038013 | 2518331-19-4 |
| 22231 | Riociguat Impurity 8                 | VS-R038014 | N/A          |
| 22232 | Riociguat Impurity 9                 | VS-R038015 | N/A          |
| 22233 | Riociguat Impurity 11                | VS-R038016 | 256499-19-1  |
| 22234 | Riociguat Impurity 12                | VS-R038017 | 2101651-50-5 |

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| 22235 | Riociguat Impurity 13                             | VS-R038018 | 2512205-25-1 |
| 22236 | Riociguat Impurity 14                             | VS-R038019 | N/A          |
| 22237 | Riociguat Impurity 15                             | VS-R038020 | 1361569-10-9 |
| 22238 | Riociguat Impurity 16                             | VS-R038021 | N/A          |
| 22239 | Riociguat Impurity 17                             | VS-R038022 | N/A          |
| 22240 | Riociguat Impurity 18                             | VS-R038023 | 1361569-18-7 |
| 22241 | Riociguat Impurity 19                             | VS-R038024 | 1361569-23-4 |
| 22242 | Riociguat Impurity 20                             | VS-R038025 | N/A          |
| 22243 | Riociguat Nitroso USP Related Compound C          | VS-R038026 | N/A          |
| 22244 | Riociguat Nitroso Impurity                        | VS-R038027 | N/A          |
| 22245 | Ripasudil                                         | VS-R039000 | 223645-67-8  |
| 22246 | Ripasudil Impurity 1                              | VS-R039001 | 223644-04-0  |
| 22247 | Risedronate                                       | VS-R040000 | 105462-24-6  |
| 22248 | Risedronate USP Related Compound A                | VS-R040001 | 105462-23-5  |
| 22249 | Risedronate USP Related Compound B                | VS-R040002 | 1486617-90-6 |
| 22250 | Risedronate sodium monohydrate                    | VS-R040003 | 353228-19-0  |
| 22251 | Risedronate Sodium Hemipentahydrate               | VS-R040004 | 329003-65-8  |
| 22252 | Risedronic Acid                                   | VS-R041000 | 105462-24-6  |
| 22253 | Risedronate EP Impurity A                         | VS-R041001 | 1486617-90-6 |
| 22254 | Risedronate EP Impurity B                         | VS-R041002 | 105462-23-5  |
| 22255 | Risedronate EP Impurity C                         | VS-R041003 | 105462-25-7  |
| 22256 | Risedronate EP Impurity D                         | VS-R041004 | 501-81-5     |
| 22257 | Risedronate EP Impurity E                         | VS-R041005 | 75755-10-1   |
| 22258 | Risperidone                                       | VS-R042000 | 106266-06-2  |
| 22259 | Risperidone EP Impurity A                         | VS-R042001 | 691007-09-7  |
| 22260 | Risperidone EP Impurity B                         | VS-R042002 | 132961-05-8  |
| 22261 | Risperidone EP Impurity C                         | VS-R042003 | 144598-75-4  |
| 22262 | Risperidone EP Impurity D                         | VS-R042004 | 1199589-74-6 |
| 22263 | Risperidone EP Impurity E                         | VS-R042005 | 1346602-28-5 |
| 22264 | Risperidone EP Impurity F                         | VS-R042006 | 1346603-86-8 |
| 22265 | Risperidone USP Related Compound G                | VS-R042007 | 152542-00-2  |
| 22266 | Risperidone EP Impurity H                         | VS-R042008 | 158697-67-7  |
| 22267 | Risperidone EP Impurity I                         | VS-R042009 | 1329796-66-8 |
| 22268 | Risperidone EP Impurity J                         | VS-R042010 | 1346606-24-3 |
| 22269 | Risperidone EP Impurity K                         | VS-R042011 | 106266-09-5  |
| 22270 | Risperidone EP Impurity L                         | VS-R042012 | 63234-80-0   |
| 22271 | Risperidone EP Impurity M                         | VS-R042013 | 84163-13-3   |
| 22272 | Risperidone Ethyl Impurity                        | VS-R042014 | 70381-58-7   |
| 22273 | Risperidone N-Oxide                               | VS-R042015 | 832747-55-4  |
| 22274 | Risperidone 4-Hydroxybenzoyl Impurity             | VS-R042016 | 1391053-32-9 |
| 22275 | Risperidone Acetylpiperidine Impurity             | VS-R042017 | N/A          |
| 22276 | Risperidone Difluoro Acetyl Impurity              | VS-R042018 | 84162-82-3   |
| 22277 | Risperidone Difluorobenzoyl Impurity              | VS-R042019 | 106266-04-0  |
| 22278 | Risperidone Hydroxyethyl Impurity                 | VS-R042020 | 66698-27-9   |
| 22279 | Risperidone Piperidine Impurity                   | VS-R042021 | 2379325-11-6 |
| 22280 | 3-Ethyl-2-Methyl-4H-Pyrido[1,2-A]Pyrimidine-4-One | VS-R042022 | 16867-31-5   |
| 22281 | Risperidone 6-Methyl Chloroethyl Impurity         | VS-R042023 | N/A          |

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| 22282 | Bicyclo Risperidone                                                                          | VS-R042024 | 2231638-02-9 |
| 22283 | Risperidone Quaternary Salt                                                                  | VS-R042025 | N/A          |
| 22284 | Risperidone Trans N-Oxide                                                                    | VS-R042026 | N/A          |
| 22285 | Risperidone cis-N-Oxide                                                                      | VS-R042027 | N/A          |
| 22286 | Risperidone Synthetic Impurity                                                               | VS-R042028 | 898542-33-1  |
| 22287 | Risperidone Isomer Degradation Product                                                       | VS-R042029 | 1005191-81-0 |
| 22288 | Risperidone Degradation Product                                                              | VS-R042030 | 832747-59-8  |
| 22289 | 4-Fluoro Risperidone                                                                         | VS-R042031 | N/A          |
| 22290 | Risperidone Impurity Adduct                                                                  | VS-R042032 | N/A          |
| 22291 | Risperidone 5,6,7,8-Tetradehydro Impurity                                                    | VS-R042033 | 108855-18-1  |
| 22292 | Risperidone Impurity 1                                                                       | VS-R042034 | 95742-20-4   |
| 22293 | Risperidone Impurity 2                                                                       | VS-R042035 | N/A          |
| 22294 | Risperidone Impurity 3                                                                       | VS-R042036 | N/A          |
| 22295 | Risperidone Impurity 4                                                                       | VS-R042037 | N/A          |
| 22296 | (R)-9-Hydroxy Risperidone                                                                    | VS-R042038 | 130049-85-3  |
| 22297 | Ritonavir                                                                                    | VS-R043000 | 155213-67-5  |
| 22298 | Ritonavir EP Impurity A                                                                      | VS-R043001 | 154212-61-0  |
| 22299 | Ritonavir EP Impurity B                                                                      | VS-R043002 | 765875-58-9  |
| 22300 | Ritonavir EP Impurity B (HCl)                                                                | VS-R043003 | 165315-97-9  |
| 22301 | Ritonavir EP Impurity C                                                                      | VS-R043004 | 1010808-43-1 |
| 22302 | Ritonavir EP Impurity D                                                                      | VS-R043005 | 144142-33-6  |
| 22303 | Ritonavir EP Impurity E                                                                      | VS-R043006 | 176655-56-4  |
| 22304 | Ritonavir EP Impurity F                                                                      | VS-R043007 | 1010809-61-6 |
| 22305 | Ritonavir EP Impurity G                                                                      | VS-R043008 | 2034136-66-6 |
| 22306 | Ritonavir EP Impurity H                                                                      | VS-R043009 | 1010809-43-4 |
| 22307 | Ritonavir EP Impurity I                                                                      | VS-R043010 | 165315-26-4  |
| 22308 | Ritonavir EP Impurity J                                                                      | VS-R043011 | 162849-95-8  |
| 22309 | Ritonavir EP Impurity K                                                                      | VS-R043012 | 1010809-39-8 |
| 22310 | Ritonavir EP Impurity L                                                                      | VS-R043013 | 256328-82-2  |
| 22311 | Ritonavir EP Impurity M                                                                      | VS-R043014 | N/A          |
| 22312 | Ritonavir EP Impurity N                                                                      | VS-R043015 | 202816-62-4  |
| 22313 | Ritonavir EP Impurity O                                                                      | VS-R043016 | 1414933-81-5 |
| 22314 | Ritonavir EP Impurity P                                                                      | VS-R043017 | N/A          |
| 22315 | Ritonavir EP Impurity Q                                                                      | VS-R043018 | N/A          |
| 22316 | Ritonavir EP Impurity R                                                                      | VS-R043019 | 1414933-80-4 |
| 22317 | Ritonavir EP Impurity S                                                                      | VS-R043020 | N/A          |
| 22318 | Ritonavir EP Impurity T                                                                      | VS-R043021 | 869368-48-9  |
| 22319 | Ritonavir EP Impurity U                                                                      | VS-R043022 | N/A          |
| 22320 | Ritonavir EP Impurity V                                                                      | VS-R043023 | N/A          |
| 22321 | Ritonavir Impurity J + K (Mixture of Boc-Amino Alcohol and Isobutoxy Carbonyl Amino Alcohol) | VS-R043024 | N/A          |
| 22322 | Ritonavir 4R Epimer                                                                          | VS-R043025 | N/A          |
| 22323 | Ritonavir Enantiomer                                                                         | VS-R043026 | N/A          |
| 22324 | Ritonavir Geo-isomer                                                                         | VS-R043027 | N/A          |
| 22325 | Ritonavir Isoleucine Analog                                                                  | VS-R043028 | N/A          |
| 22326 | Ritonavir-Glycerol carbamate Analog                                                          | VS-R043029 | 1010809-54-7 |
| 22327 | 4-Nitrophenyl Chloroformate                                                                  | VS-R043030 | 7693-46-1    |

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| 22328 | (5-Thiazolyl)Methyl-(4-Nitrophenyl) Carbohydrate                  | VS-R043031 | 144163-97-3  |
| 22329 | O-Acetyl Ritonavir                                                | VS-R043032 | 183246-46-0  |
| 22330 | Ritonavir Ethyl Carbamate Analog                                  | VS-R043033 | N/A          |
| 22331 | Mixture of BOC Amino Alcohol and Isobutoxy carbonyl- aminoalcohol | VS-R043034 | N/A          |
| 22332 | Mixture of Ureidovaline and N-deacylvaline Ritonavir              | VS-R043035 | N/A          |
| 22333 | Ritonavir Ethyl Carbamate Analog                                  | VS-R043036 | N/A          |
| 22334 | Des-Isopropylthiazolyl Ritonavir                                  | VS-R043037 | 176655-57-5  |
| 22335 | Ritonavir Hydroxy Impurity                                        | VS-R043038 | 251951-81-9  |
| 22336 | Ritonavir Hydrogen Peroxide Impurity                              | VS-R043039 | N/A          |
| 22337 | Ritonavir Amino Alcohol Urea Derivative                           | VS-R043040 | N/A          |
| 22338 | Ritonavir Impurity 1                                              | VS-R043041 | N/A          |
| 22339 | Ritonavir Impurity 2                                              | VS-R043042 | N/A          |
| 22340 | Ritonavir Impurity 3                                              | VS-R043043 | 1283151-18-7 |
| 22341 | Ritonavir Impurity 4                                              | VS-R043044 | 1414933-85-9 |
| 22342 | Ritonavir Impurity 5                                              | VS-R043045 | 1414933-94-0 |
| 22343 | Ritonavir Impurity 6                                              | VS-R043046 | 220887-41-2  |
| 22344 | Ritonavir Impurity 7                                              | VS-R043047 | 1414933-89-3 |
| 22345 | Ritonavir Impurity 8                                              | VS-R043048 | 1414933-91-7 |
| 22346 | Ritonavir Impurity 9                                              | VS-R043049 | 1414933-83-7 |
| 22347 | Ritonavir Impurity 10                                             | VS-R043050 | 144163-85-9  |
| 22348 | Ritonavir Impurity 11                                             | VS-R043051 | 1414934-16-9 |
| 22349 | Ritonavir Impurity 12                                             | VS-R043052 | 241486-86-2  |
| 22350 | Ritonavir Impurity 13                                             | VS-R043053 | N/A          |
| 22351 | Ritonavir Impurity 14                                             | VS-R043054 | 1797984-48-5 |
| 22352 | Ritonavir Impurity 15                                             | VS-R043055 | N/A          |
| 22353 | Ritonavir Impurity 16                                             | VS-R043056 | N/A          |
| 22354 | Ritonavir Impurity 17                                             | VS-R043057 | 1004316-56-6 |
| 22355 | Ritonavir Impurity 18                                             | VS-R043058 | 1370406-80-6 |
| 22356 | Ritonavir Impurity 19                                             | VS-R043059 | 22050-72-2   |
| 22357 | Ritonavir Impurity 20                                             | VS-R043060 | N/A          |
| 22358 | Ritonavir Impurity S                                              | VS-R043061 | 2084828-53-3 |
| 22359 | Ritonavir Diamino Alcohol Impurity                                | VS-R043062 | 144163-44-0  |
| 22360 | Rivaroxaban                                                       | VS-R044000 | 366789-02-8  |
| 22361 | Rivaroxaban EP Impurity A                                         | VS-R044001 | 865479-71-6  |
| 22362 | Rivaroxaban EP Impurity B                                         | VS-R044002 | 1429334-00-8 |
| 22363 | Rivaroxaban EP Impurity D                                         | VS-R044003 | 1365267-35-1 |
| 22364 | Rivaroxaban EP Impurity G                                         | VS-R044004 | 446292-08-6  |
| 22365 | Rivaroxaban EP Impurity H                                         | VS-R044005 | 1770812-37-7 |
| 22366 | Rivaroxaban EP Impurity I                                         | VS-R044006 | 1151893-81-0 |
| 22367 | Rivaroxaban EP Impurity J                                         | VS-R044007 | 1632463-24-1 |
| 22368 | Rivaroxaban Impurity B                                            | VS-R044008 | N/A          |
| 22369 | Rivaroxaban Impurity D                                            | VS-R044009 | 1838139-24-4 |
| 22370 | Rivaroxaban Impurity E                                            | VS-R044010 | 1252018-10-2 |
| 22371 | Rivaroxaban Aminomethyl Base Impurity                             | VS-R044011 | 446292-10-0  |
| 22372 | Rivaroxaban Aminomethyl HCl Impurity                              | VS-R044012 | 898543-06-1  |
| 22373 | Rivaroxaban CMTCA Impurity                                        | VS-R044013 | 97799-98-9   |
| 22374 | Rivaroxaban EP Impurity F                                         | VS-R044014 | 24065-33-6   |



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| 22375 | Rivaroxaban Descarbonyl Impurity             | VS-R044015 | 721401-53-2  |
| 22376 | Rivaroxaban EP Impurity E                    | VS-R044016 | 1415566-28-7 |
| 22377 | Rivaroxaban Diol                             | VS-R044017 | 1160170-00-2 |
| 22378 | Rivaroxaban N-Methylphthalimide Impurity     | VS-R044018 | 550-44-7     |
| 22379 | Rivaroxaban Open-Ring Acid Impurity          | VS-R044019 | 931117-61-2  |
| 22380 | Rivaroxaban Open-Ring N-Methyl Impurity      | VS-R044020 | 1807455-76-0 |
| 22381 | Rivaroxaban Phthalamide Dimer                | VS-R044021 | 1365267-36-2 |
| 22382 | Rivaroxaban Phthalimido Descarbonyl Impurity | VS-R044022 | 446292-07-5  |
| 22383 | Rivaroxaban 3-Hydroxy Metabolite             | VS-R044023 | 1159977-46-4 |
| 22384 | Rivaroxaban 4-Hydroxy Metabolite             | VS-R044024 | 1161719-51-2 |
| 22385 | Rivaroxaban Degradate -1                     | VS-R044025 | 1816946-19-6 |
| 22386 | 4-(4-Aminophenyl)-3-morpholinone             | VS-R044026 | 438056-69-0  |
| 22387 | Rivaroxaban Dioxazolidine impurity           | VS-R044027 | N/A          |
| 22388 | Rivaroxaban Methyl ester impurity            | VS-R044028 | N/A          |
| 22389 | Rivaroxaban Amide impurity                   | VS-R044029 | 482305-98-6  |
| 22390 | Morpholine-3-one                             | VS-R044030 | 109-11-5     |
| 22391 | 4-(3-Aminophenyl)-3-morpholinone             | VS-R044031 | 1082495-22-4 |
| 22392 | N-Glycidyl Phthalimide                       | VS-R044032 | 5455-98-1    |
| 22393 | 3-chloroRivaroxaban                          | VS-R044033 | 1855920-54-5 |
| 22394 | 3-Chlorothiophene-2-carboxylic acid          | VS-R044034 | 59337-89-2   |
| 22395 | 3,4-dichlorothiophene-2-carboxylic acid      | VS-R044035 | 61209-02-7   |
| 22396 | 3,5-dichlorothiophene-2-carboxylic acid      | VS-R044036 | 89166-94-9   |
| 22397 | Rivaroxaban Methyl Oxalic Impurity           | VS-R044037 | N/A          |
| 22398 | Rivaroxaban Racemic Mixture                  | VS-R044038 | 482306-32-1  |
| 22399 | 2-Oxohistidine                               | VS-R044039 | 265997-48-6  |
| 22400 | Rivaroxaban Impurity 1                       | VS-R044040 | 530-62-1     |
| 22401 | Rivaroxaban Impurity 2                       | VS-R044041 | 85-41-6      |
| 22402 | Rivaroxaban Impurity 3                       | VS-R044042 | 1074-82-4    |
| 22403 | Rivaroxaban Impurity 4                       | VS-R044043 | 1445-69-8    |
| 22404 | Rivaroxaban Impurity 6                       | VS-R044044 | 51594-55-9   |
| 22405 | Rivaroxaban Impurity 7                       | VS-R044045 | 124-63-0     |
| 22406 | Rivaroxaban Impurity 8                       | VS-R044046 | 96-43-5      |
| 22407 | Rivaroxaban Impurity 10                      | VS-R044047 | 31166-29-7   |
| 22408 | Rivaroxaban Impurity 11                      | VS-R044048 | 616-47-7     |
| 22409 | Rivaroxaban Impurity 12                      | VS-R044049 | 527-72-0     |
| 22410 | Rivaroxaban Impurity 14                      | VS-R044050 | 2437650-74-1 |
| 22411 | Rivaroxaban Impurity 15                      | VS-R044051 | 446292-04-2  |
| 22412 | Rivaroxaban Impurity 16                      | VS-R044052 | N/A          |
| 22413 | Rivaroxaban Impurity 17                      | VS-R044053 | N/A          |
| 22414 | Rivaroxaban Impurity 18                      | VS-R044054 | 2206826-69-7 |
| 22415 | Rivaroxaban Impurity 19                      | VS-R044055 | 1838133-00-8 |
| 22416 | Rivaroxaban Impurity 20                      | VS-R044056 | 04-09-10     |
| 22417 | Rivaroxaban Impurity 21                      | VS-R044057 | 1328136-38-4 |
| 22418 | Rivaroxaban Impurity 22                      | VS-R044058 | 19532-98-0   |
| 22419 | Rivaroxaban Impurity 23                      | VS-R044059 | N/A          |
| 22420 | Rivaroxaban Impurity 24                      | VS-R044060 | 161596-47-0  |
| 22421 | Rivaroxaban Impurity 25                      | VS-R044061 | N/A          |

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| 22422 | Rivaroxaban Impurity 28                                                                                | VS-R044062 | 2137914-93-1 |
| 22423 | Rivaroxaban Impurity 29                                                                                | VS-R044063 | 2206360-74-7 |
| 22424 | Rivaroxaban Impurity 30                                                                                | VS-R044064 | 6843-36-3    |
| 22425 | Rivaroxaban Impurity 31                                                                                | VS-R044065 | 1365267-37-3 |
| 22426 | Rivaroxaban Impurity 32                                                                                | VS-R044066 | 956904-18-0  |
| 22427 | Rivaroxaban Impurity 33                                                                                | VS-R044067 | 2071690-76-9 |
| 22428 | Rivaroxaban Impurity 34                                                                                | VS-R044068 | 1446470-85-4 |
| 22429 | Rivaroxaban Impurity 35                                                                                | VS-R044069 | 89283-13-6   |
| 22430 | Rivaroxaban Impurity 36                                                                                | VS-R044070 | N/A          |
| 22431 | Rivaroxaban Impurity 37                                                                                | VS-R044071 | 811450-82-5  |
| 22432 | Rivaroxaban Impurity 38                                                                                | VS-R044072 | 1082588-73-5 |
| 22433 | Rivaroxaban Impurity 39                                                                                | VS-R044073 | N/A          |
| 22434 | Rivaroxaban Impurity 40                                                                                | VS-R044074 | 1642600-99-4 |
| 22435 | Rivaroxaban Impurity 41                                                                                | VS-R044075 | 1855920-51-2 |
| 22436 | Rivaroxaban Impurity 42                                                                                | VS-R044076 | 2304439-07-2 |
| 22437 | Rivaroxaban Impurity 43                                                                                | VS-R044077 | 1369969-44-7 |
| 22438 | Rivaroxaban Impurity 44                                                                                | VS-R044078 | 1643354-27-1 |
| 22439 | Rivaroxaban Methyl Ester Impurity                                                                      | VS-R044079 | 1838139-08-4 |
| 22440 | Rivaroxaban Impurity 46                                                                                | VS-R044080 | 4096-20-2    |
| 22441 | Rivaroxaban Impurity 47                                                                                | VS-R044081 | 2417990-26-0 |
| 22442 | Rivaroxaban Impurity 48                                                                                | VS-R044082 | 2206135-27-3 |
| 22443 | Rivaroxaban Impurity 49                                                                                | VS-R044083 | 1224684-98-3 |
| 22444 | Rivaroxaban Impurity 50                                                                                | VS-R044084 | N/A          |
| 22445 | Rivaroxaban Impurity 51                                                                                | VS-R044085 | 2422046-61-3 |
| 22446 | Rivaroxaban Impurity 52                                                                                | VS-R044086 | N/A          |
| 22447 | Rivaroxaban Impurity 53                                                                                | VS-R044087 | N/A          |
| 22448 | Rivaroxaban Impurity 54                                                                                | VS-R044088 | 122-98-5     |
| 22449 | Rivaroxaban Impurity 55                                                                                | VS-R044089 | 29518-11-4   |
| 22450 | Rivaroxaban Impurity 56                                                                                | VS-R044090 | 120-07-0     |
| 22451 | Rivaroxaban Impurity 57                                                                                | VS-R044091 | 28025-61-8   |
| 22452 | Rivaroxaban Impurity 58                                                                                | VS-R044092 | N/A          |
| 22453 | Rivaroxaban Impurity 59                                                                                | VS-R044093 | N/A          |
| 22454 | Rivaroxaban Impurity 60                                                                                | VS-R044094 | 73825-95-3   |
| 22455 | Rivaroxaban Impurity 61                                                                                | VS-R044095 | 2197189-38-9 |
| 22456 | Rivaroxaban Impurity 62                                                                                | VS-R044096 | 186348-58-3  |
| 22457 | Rivaroxaban Impurity 63                                                                                | VS-R044097 | 53935-71-0   |
| 22458 | Rivaroxaban Impurity 64                                                                                | VS-R044098 | 62457-35-6   |
| 22459 | Rivaroxaban Impurity 65                                                                                | VS-R044099 | 482308-13-4  |
| 22460 | Rivaroxaban Impurity 66                                                                                | VS-R044100 | N/A          |
| 22461 | Rivaroxaban Impurity 67                                                                                | VS-R044101 | 119835-88-0  |
| 22462 | Rivaroxaban Impurity 68                                                                                | VS-R044102 | 1265682-11-8 |
| 22463 | Rivaroxaban Impurity 69                                                                                | VS-R044103 | 1666111-40-5 |
| 22464 | Rivaroxaban Aminomethyl Hydrochloride Impurity                                                         | VS-R044104 | 898543-06-01 |
| 22465 | (R)-1-(5-Chlorothiophene-2-Carboxamido)-3-((4-(3-Oxamorpholino) Amino) Propan-2-yl) Hydrogen Carbonate | VS-R044105 | NA           |
| 22466 | 2-(2-Nitrophenyl)ethanamine Hydrochloride                                                              | VS-R044106 | 861337-74-8  |
| 22467 | RIVAROXABAN AMIDE IMPURITY (R-ISOMER)                                                                  | VS-R044107 | NA           |

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| 22468 | Rivaroxaban Impurity 70                       | VS-R044108 | NA           |
| 22469 | Rivaroxaban Impurity 71                       | VS-R044109 | 1373360-54-3 |
| 22470 | Rivaroxaban Impurity 72                       | VS-R044110 | 19667-37-9   |
| 22471 | N-Nitroso Rivaroxaban Open-Ring Acid Impurity | VS-R044111 | NA           |
| 22472 | 4-nitrosomethylaminopyridine                  | VS-R044113 | 16219-99-1   |
| 22473 | 1-Nitroso-1H-Imidazole                        | VS-R044114 | 1233340-45-8 |
| 22474 | N-Nitroso Rivaroxaban Impurity A              | VS-R044115 | NA           |
| 22475 | N-Nitroso Rivaroxaban Impurity G              | VS-R044116 | NA           |
| 22476 | Rivaroxaban Nitroso Impurity 2                | VS-R044117 | NA           |
| 22477 | Rivaroxaban Impurity 73                       | VS-R044118 | NA           |
| 22478 | Rivaroxaban Nitroso Impurity 1                | VS-R044119 | NA           |
| 22479 | Rivaroxaban N-Nitroso Amide Impurity          | VS-R044120 | NA           |
| 22480 | Rivastigmine                                  | VS-R045000 | 123441-03-2  |
| 22481 | Rivastigmine N-Oxide                          | VS-R045001 | 1369779-37-2 |
| 22482 | Rivastigmine EP Impurity A                    | VS-R045002 | 139306-10-8  |
| 22483 | Rivastigmine EP Impurity B                    | VS-R045003 | 1230021-28-9 |
| 22484 | Rivastigmine EP Impurity C                    | VS-R045004 | 855300-09-3  |
| 22485 | Rivastigmine EP Impurity D                    | VS-R045005 | 415973-05-6  |
| 22486 | Rivastigmine Hydrogenotartras Impurity E      | VS-R045006 | 923035-05-6  |
| 22487 | Rivastigmine Hydrogenotartras Impurity F      | VS-R045007 | N/A          |
| 22488 | Rivastigmine Hydrogenotartras Impurity G      | VS-R045008 | 23308-82-9   |
| 22489 | Rivastigmine Hydrogenotartras Impurity H      | VS-R045009 | 586-37-8     |
| 22490 | Rivastigmine USP Related Compound A           | VS-R045010 | 71607-31-3   |
| 22491 | Rivastigmine USP Related Compound B           | VS-R045011 | 851086-95-8  |
| 22492 | Rivastigmine USP Related Compound E           | VS-R045012 | N/A          |
| 22493 | Rivastigmine USP Related Compound F           | VS-R045013 | 1346602-84-3 |
| 22494 | Rivastigmine Tartrate                         | VS-R045014 | 1243329-92-1 |
| 22495 | Rivastigmine Diethyl Analog                   | VS-R045015 | 1230021-34-7 |
| 22496 | Rivastigmine Ether Impurity (USP)             | VS-R045016 | N/A          |
| 22497 | Rivastigmine Carbamate Impurity (USP)         | VS-R045017 | 1346242-31-6 |
| 22498 | Rivastigmine Impurity 1                       | VS-R045018 | 948051-93-2  |
| 22499 | Rivastigmine Impurity 2                       | VS-R045019 | 25081-93-0   |
| 22500 | Rivastigmine Impurity 3                       | VS-R045020 | 5441-61-2    |
| 22501 | Rivastigmine Impurity 4                       | VS-R045021 | 894079-42-6  |
| 22502 | Rivastigmine Impurity 5                       | VS-R045022 | 923035-27-2  |
| 22503 | Rivastigmine Impurity 6                       | VS-R045023 | 1369779-38-3 |
| 22504 | Rivastigmine Impurity 7                       | VS-R045024 | N/A          |
| 22505 | 3-[1-(Dimethylamino)ethyl]phenol              | VS-R045025 | 105601-04-5  |
| 22506 | Rivastigmine Benzyl Impurity                  | VS-R045026 | 1111083-50-1 |
| 22507 | Rivastigmine Impurity 8                       | VS-R045027 | 1390639-31-2 |
| 22508 | Rivastigmine Impurity 9                       | VS-R045028 | N/A          |
| 22509 | Rivastigmine p-Keto Impurity                  | VS-R045029 | 1390639-30-1 |
| 22510 | Rivastigmine o-Keto Impurity                  | VS-R045030 | 2020035-51-0 |
| 22511 | Rivastigmine Impurity 10                      | VS-R045031 | 2454-37-7    |
| 22512 | Rivastigmine Impurity 11                      | VS-R045032 | 5400-78-2    |
| 22513 | Rivastigmine Dihydroxy Phenyl Ether Impurity  | VS-R045033 | 893750-82-8  |
| 22514 | Rivastigmine Impurity 12                      | VS-R045034 | 179676-15-4  |

|       |                                            |            |              |
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| 22515 | Rivastigmine Impurity 13                   | VS-R045035 | 106274-78-6  |
| 22516 | Rivastigmine Impurity 14                   | VS-R045036 | 1390639-33-4 |
| 22517 | Rivastigmine Impurity 15                   | VS-R045037 | 31468-19-6   |
| 22518 | Rivastigmine Impurity 16                   | VS-R045038 | N/A          |
| 22519 | Rivastigmine Impurity 17                   | VS-R045039 | N/A          |
| 22520 | Rivastigmine Impurity 18                   | VS-R045040 | N/A          |
| 22521 | Rivastigmine Impurity 19                   | VS-R045041 | N/A          |
| 22522 | Rivastigmine Impurity 20                   | VS-R045042 | N/A          |
| 22523 | Rivastigmine Impurity 21                   | VS-R045043 | N/A          |
| 22524 | Rivastigmine Impurity 22                   | VS-R045044 | 94066-64-5   |
| 22525 | Rivastigmine Impurity 23                   | VS-R045045 | N/A          |
| 22526 | Rivastigmine Impurity 24                   | VS-R045046 | 37407-22-0   |
| 22527 | Rivastigmine EP Impurity F                 | VS-R045047 | 889443-69-0  |
| 22528 | Rivastigmine Impurity 25                   | VS-R045048 | 1346242-31-6 |
| 22529 | Rivastigmine Impurity 26                   | VS-R045049 | 1346242-32-7 |
| 22530 | Rizatriptan Benzoate                       | VS-R046001 | 145202-66-0  |
| 22531 | Rizatriptan EP Impurity A                  | VS-R046002 | 887001-08-3  |
| 22532 | Rizatriptan EP Impurity B                  | VS-R046003 | N/A          |
| 22533 | Rizatriptan EP Impurity C                  | VS-R046004 | 208941-96-2  |
| 22534 | Rizatriptan EP Impurity D                  | VS-R046005 | N/A          |
| 22535 | Rizatriptan EP Impurity E                  | VS-R046006 | N/A          |
| 22536 | Rizatriptan EP Impurity F                  | VS-R046007 | 160194-39-8  |
| 22537 | Rizatriptan EP Impurity G                  | VS-R046008 | 1000673-59-5 |
| 22538 | Rizatriptan EP Impurity H                  | VS-R046009 | 260435-42-5  |
| 22539 | Rizatriptan EP Impurity I                  | VS-R046010 | 144034-84-4  |
| 22540 | Rizatriptan N-Methyl Adduct                | VS-R046011 | 1030849-63-8 |
| 22541 | Didemethyl Rizatriptan Hydrochloride       | VS-R046012 | 1016900-28-9 |
| 22542 | Rizatriptan Impurity 1                     | VS-R046013 | 212248-62-9  |
| 22543 | Rizatriptan Impurity 2                     | VS-R046014 | 700-37-8     |
| 22544 | Rizatriptan Impurity 3                     | VS-R046015 | 119192-10-8  |
| 22545 | Rizatriptan Impurity 4                     | VS-R046016 | 154748-67-1  |
| 22546 | Rizatriptan Impurity 5                     | VS-R046017 | N/A          |
| 22547 | Rizatriptan Impurity 6                     | VS-R046018 | N/A          |
| 22548 | Rizatriptan Impurity 7                     | VS-R046019 | 1016900-24-5 |
| 22549 | Rizatriptan Impurity 8                     | VS-R046020 | 1016900-25-6 |
| 22550 | Rizatriptan - API                          | VS-R046021 | 144034-80-0  |
| 22551 | N-Nitroso desmethyl Rizatriptan            | VS-R046022 | N/A          |
| 22552 | N-Nitroso desmethyl Rizatriptan impurity 1 | VS-R046023 | N/A          |
| 22553 | Rocuronium Bromide                         | VS-R047001 | 119302-91-9  |
| 22554 | Rocuronium EP Impurity A                   | VS-R047002 | 119302-24-8  |
| 22555 | Rocuronium EP Impurity B                   | VS-R047003 | 122483-73-2  |
| 22556 | Rocuronium EP Impurity C                   | VS-R047004 | 119302-86-2  |
| 22557 | Rocuronium EP Impurity D                   | VS-R047005 | 1190105-63-5 |
| 22558 | Rocuronium EP Impurity E                   | VS-R047006 | 1190105-65-7 |
| 22559 | Rocuronium EP Impurity F                   | VS-R047007 | 1190105-66-8 |
| 22560 | Rocuronium EP Impurity G                   | VS-R047008 | N/A          |
| 22561 | Rocuronium EP Impurity H                   | VS-R047009 | 1190105-67-9 |

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| 22562 | Rocuronium N-Oxide                        | VS-R047010 | N/A          |
| 22563 | Rocuronium 3-epimers                      | VS-R047011 | N/A          |
| 22564 | Bis-Allyl Rocuronium Dibromide            | VS-R047012 | N/A          |
| 22565 | Rocuronium Allyl Derivative Impurity      | VS-R047013 | N/A          |
| 22566 | Rocuronium Impurity 1                     | VS-R047014 | N/A          |
| 22567 | Rocuronium Impurity 2                     | VS-R047015 | N/A          |
| 22568 | Rocuronium Impurity 3                     | VS-R047016 | N/A          |
| 22569 | Roflumilast                               | VS-R048000 | 162401-32-3  |
| 22570 | Roflumilast USP Related Compound B        | VS-R048001 | 1391052-76-8 |
| 22571 | Roflumilast Dihydroxy Impurity            | VS-R048002 | 1412448-29-3 |
| 22572 | Roflumilast N-Oxide                       | VS-R048003 | 292135-78-5  |
| 22573 | Roflumilast Dicyclopropylmethoxy Impurity | VS-R048004 | 1391052-24-6 |
| 22574 | Roflumilast Carboxylic Acid Impurity      | VS-R048005 | 162401-62-9  |
| 22575 | Roflumilast USP Related Compound A        | VS-R048006 | 475271-62-6  |
| 22576 | 5-Dechloro Roflumilast                    | VS-R048007 | 1391053-75-0 |
| 22577 | Roflumilast Dimer                         | VS-R048008 | 1352122-37-2 |
| 22578 | Roflumilast KSM-II Bromo Compound         | VS-R048009 | 159783-78-5  |
| 22579 | Roflumilast KSM-I Acid compound           | VS-R048010 | 913985-07-6  |
| 22580 | Roflumilast Impurity 1                    | VS-R048011 | N/A          |
| 22581 | Roflumilast USP Related Compound E        | VS-R048012 | N/A          |
| 22582 | Roflumilast Impurity 3                    | VS-R048013 | 2204417-23-0 |
| 22583 | Roflumilast Impurity 4                    | VS-R048014 | 2206113-97-3 |
| 22584 | Roflumilast Impurity 5                    | VS-R048015 | N/A          |
| 22585 | Roflumilast Impurity 6                    | VS-R048016 | 2368178-29-2 |
| 22586 | Roflumilast Impurity 7                    | VS-R048017 | 1243391-44-7 |
| 22587 | Roflumilast Impurity 8                    | VS-R048018 | 2206607-17-0 |
| 22588 | Roflumilast Impurity 9                    | VS-R048019 | 162401-78-7  |
| 22589 | Roflumilast Impurity 10                   | VS-R048020 | 159782-26-0  |
| 22590 | Roflumilast Impurity 11                   | VS-R048021 | 22889-78-7   |
| 22591 | Roflumilast Impurity 12                   | VS-R048022 | 162401-43-6  |
| 22592 | Roflumilast Impurity 13                   | VS-R048023 | 127842-54-0  |
| 22593 | Roflumilast Impurity 14                   | VS-R048024 | 91872-02-5   |
| 22594 | Romidepsin                                | VS-R049000 | 128517-07-7  |
| 22595 | Romidepsin Methoxy Impurity               | VS-R049001 | 596-31-6     |
| 22596 | Romidepsin Di-S-trityl impurity           | VS-R049002 | N/A          |
| 22597 | Romidepsin Fmoc silyl Impurity            | VS-R049003 | N/A          |
| 22598 | Ropinirole Hydrochloride                  | VS-R050001 | 91374-20-8   |
| 22599 | Ropinirole EP Impurity A                  | VS-R050002 | 102842-51-3  |
| 22600 | Ropinirole EP Impurity B                  | VS-R050003 | 221264-33-1  |
| 22601 | Ropinirole EP Impurity C                  | VS-R050004 | 784110-47-0  |
| 22602 | Ropinirole EP Impurity D                  | VS-R050005 | 173990-76-6  |
| 22603 | Ropinirole EP Impurity E (HCl)            | VS-R050006 | N/A          |
| 22604 | Ropinirole EP Impurity F                  | VS-R050007 | 139122-19-3  |
| 22605 | Ropinirole EP Impurity G                  | VS-R050008 | 76149-15-0   |
| 22606 | Ropinirole EP Impurity H                  | VS-R050009 | N/A          |
| 22607 | Ropinirole Open Ring Nitro Impurity (HCL) | VS-R050010 | 91374-25-3   |
| 22608 | Ropinirole 3-Methoxy Impurity             | VS-R050011 | 1797131-21-5 |

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| 22609 | Ropinirole N-Hydroxy Impurity                 | VS-R050012 | 1542267-72-0 |
| 22610 | Ropinirole N-Oxide                            | VS-R050013 | 1076199-41-1 |
| 22611 | Ropinirole Open Ring Amino Impurity           | VS-R050014 | N/A          |
| 22612 | 4-vinylindolin-2-one                          | VS-R050015 | 120427-93-2  |
| 22613 | Ethyl Ropinirole                              | VS-R050016 | 1797132-03-6 |
| 22614 | Ropinirole Cyclopentanylindone Impurity       | VS-R050017 | 1368745-05-4 |
| 22615 | N-Hydroxymethyl Ropinirole                    | VS-R050018 | 1027600-42-5 |
| 22616 | Ropinirole methylene dimer                    | VS-R050019 | 1800102-50-4 |
| 22617 | N-Methoxy Ropinirole Hydrochloride            | VS-R050020 | 1796934-24-1 |
| 22618 | Ropinirole Isohexyl Analog                    | VS-R050021 | N/A          |
| 22619 | Ropinirole Aminoacetic Acid                   | VS-R050022 | 920755-10-8  |
| 22620 | Ropinirole Impurity 1                         | VS-R050023 | 91374-24-2   |
| 22621 | Ropinirole Impurity 2                         | VS-R050024 | 915376-75-9  |
| 22622 | Ropinirole Impurity 3                         | VS-R050025 | 196500-09-1  |
| 22623 | Ropinirole Impurity 4                         | VS-R050026 | N/A          |
| 22624 | Ropinirole Impurity 5                         | VS-R050027 | 111725-11-2  |
| 22625 | Ropinirole Impurity 6                         | VS-R050028 | 97351-95-6   |
| 22626 | Ropinirole Impurity 7                         | VS-R050029 | 91374-23-1   |
| 22627 | Ropinirole Impurity 8                         | VS-R050030 | 2734474-99-6 |
| 22628 | Ropinirole Impurity 9                         | VS-R050031 | 23876-15-5   |
| 22629 | Ropinirole Impurity 10                        | VS-R050032 | 101566-00-1  |
| 22630 | Ropinirole Impurity 11                        | VS-R050033 | 91374-22-0   |
| 22631 | Ropinirole Impurity A (HCl)                   | VS-R050034 | 221264-21-7  |
| 22632 | Ropinirole Impurity D                         | VS-R050035 | 106916-16-9  |
| 22633 | N-Hydroxy Ropinirole                          | VS-R050036 | 954117-22-7  |
| 22634 | ROPINIROLE EP IMPURITY E                      | VS-R050037 | NA           |
| 22635 | Open ring Ropinirole                          | VS-R050038 | 720656-64-4  |
| 22636 | Ropinirole Impurity 12                        | VS-R050039 | 120427-94-3  |
| 22637 | Ropivacaine Hydrochloride Monohydrate         | VS-R051001 | 132112-35-7  |
| 22638 | Ropivacaine EP Impurity A                     | VS-R051002 | 27262-47-1   |
| 22639 | Ropivacaine EP Impurity B                     | VS-R051003 | 27262-40-4   |
| 22640 | Ropivacaine EP Impurity C                     | VS-R051004 | 24358-84-7   |
| 22641 | Ropivacaine EP Impurity D                     | VS-R051005 | 98626-59-6   |
| 22642 | Ropivacaine EP Impurity E                     | VS-R051006 | N/A          |
| 22643 | Ropivacaine EP Impurity F                     | VS-R051007 | 1945965-95-6 |
| 22644 | Ropivacaine EP Impurity G                     | VS-R051008 | 98717-16-9   |
| 22645 | Ropivacaine EP Impurity H                     | VS-R051009 | 87-62-7      |
| 22646 | Ropivacaine N-Oxide(R isomer)                 | VS-R051010 | N/A          |
| 22647 | Ropivacaine N-Oxide                           | VS-R051011 | 1391053-59-0 |
| 22648 | Ropivacaine (R,S) Base                        | VS-R051012 | 98626-61-0   |
| 22649 | Ropivacaine EP Impurity G(Hydrochloride Salt) | VS-R051013 | 112773-90-7  |
| 22650 | Ropivacaine EP Impurity H (HCl)               | VS-R051014 | 21436-98-6   |
| 22651 | Rosuvastatin                                  | VS-R052000 | 287714-41-4  |
| 22652 | Rosuvastatin Calcium                          | VS-R052001 | 147098-20-2  |
| 22653 | Rosuvastatin EP Impurity A(Sodium Salt)       | VS-R052002 | 1714147-50-8 |
| 22654 | Rosuvastatin EP Impurity A t-Butyl Ester      | VS-R052003 | 1714147-49-5 |
| 22655 | Rosuvastatin FP Impurity A                    | VS-R052004 | 851443-04-4  |

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| 22656 | Rosuvastatin EP Impurity B (Sodium Salt)         | VS-R052005 | 1007871-86-4 |
| 22657 | Rosuvastatin EP Impurity B (Calcium Salt)        | VS-R052006 | N/A          |
| 22658 | Rosuvastatin FP Impurity B                       | VS-R052007 | N/A          |
| 22659 | Rosuvastatin EP Impurity C                       | VS-R052008 | 1422619-13-3 |
| 22660 | Rosuvastatin EP Impurity C (Sodium Salt)         | VS-R052009 | 1620823-61-1 |
| 22661 | Rosuvastatin EP Impurity C (Calcium Salt)        | VS-R052010 | 1422514-05-3 |
| 22662 | Rosuvastatin EP Impurity D                       | VS-R052011 | 503610-43-3  |
| 22663 | Rosuvastatin EP Impurity E (Sodium Salt)         | VS-R052012 | N/A          |
| 22664 | Rosuvastatin EP Impurity F                       | VS-R052013 | 289042-12-2  |
| 22665 | Rosuvastatin EP Impurity G                       | VS-R052014 | 1242184-42-4 |
| 22666 | Rosuvastatin EP Impurity G (Calcium Salt)        | VS-R052015 | N/A          |
| 22667 | Rosuvastatin EP Impurity G t-Butyl Ester         | VS-R052016 | 615263-60-0  |
| 22668 | Rosuvastatin EP Impurity H (Calcium Salt)        | VS-R052017 | N/A          |
| 22669 | Rosuvastatin EP Impurity I (Calcium Salt)        | VS-R052018 | N/A          |
| 22670 | Rosuvastatin EP Impurity J (Sodium Salt)         | VS-R052019 | N/A          |
| 22671 | Rosuvastatin EP Impurity J (Calcium Salt)        | VS-R052020 | N/A          |
| 22672 | Rosuvastatin EP Impurity K                       | VS-R052021 | 1422954-12-8 |
| 22673 | Rosuvastatin Sodium EP Impurity K                | VS-R052022 | N/A          |
| 22674 | Rosuvastatin EP Impurity L                       | VS-R052023 | 1347797-73-2 |
| 22675 | Rosuvastatin EP Impurity M (Sodium salt)         | VS-R052024 | N/A          |
| 22676 | Rosuvastatin Impurity N                          | VS-R052025 | 2290571-51-4 |
| 22677 | Rosuvastatin (3R,5R)-Isomer Sodium               | VS-R052026 | N/A          |
| 22678 | Rosuvastatin (3R,5R)-Isomer Ethyl Ester          | VS-R052027 | N/A          |
| 22679 | Rosuvastatin (3R,5R)-Isomer Methyl Ester         | VS-R052028 | 1776088-23-3 |
| 22680 | Rosuvastatin (3R,5R)-Isomer t-Butyl Ester        | VS-R052029 | 2162136-65-2 |
| 22681 | Rosuvastatin (3R,5R)-Lactone                     | VS-R052030 | 1422954-11-7 |
| 22682 | Rosuvastatin (3S,5R)-Isomer Ethyl Ester          | VS-R052031 | 615263-55-3  |
| 22683 | Rosuvastatin (3S,5R)-Isomer Methyl Ester         | VS-R052032 | 1112048-62-0 |
| 22684 | Rosuvastatin (3S,5S)-Isomer Ethyl Ester          | VS-R052033 | N/A          |
| 22685 | Rosuvastatin (3S,5S)-Isomer Methyl Ester         | VS-R052034 | N/A          |
| 22686 | Rosuvastatin (3S,5S)-Isomer Sodium               | VS-R052035 | N/A          |
| 22687 | Rosuvastatin (3S,5S)-Isomer t-Butyl Ester        | VS-R052036 | 2185805-16-5 |
| 22688 | Rosuvastatin (6R)-Anhydro Lactone Impurity       | VS-R052037 | 2514682-15-4 |
| 22689 | Rosuvastatin (6R)-Isomer Methyl Ester            | VS-R052038 | N/A          |
| 22690 | Rosuvastatin (6R)-Isomer Calcium Salt            | VS-R052039 | 854898-49-0  |
| 22691 | Rosuvastatin (6R)-Lactone Impurity               | VS-R052040 | 854898-46-7  |
| 22692 | Rosuvastatin (6S)-Anhydro Lactone Impurity       | VS-R052041 | 2514963-93-8 |
| 22693 | Rosuvastatin (6S)-Isomer Methyl Ester            | VS-R052042 | N/A          |
| 22694 | Rosuvastatin (6S)-Isomer Calcium Salt            | VS-R052043 | 854898-50-3  |
| 22695 | Rosuvastatin (6S)-Lactone Impurity               | VS-R052044 | 854898-47-8  |
| 22696 | Rosuvastatin (Z)-Isomer                          | VS-R052045 | N/A          |
| 22697 | Rosuvastatin 2,3,4,5-Dianhydro Acid Ethyl Ester  | VS-R052046 | N/A          |
| 22698 | Rosuvastatin 2,3,4,5-Dianhydro Acid Methyl Ester | VS-R052047 | N/A          |
| 22699 | Rosuvastatin 2,3,4,5-Dianhydro Acid              | VS-R052048 | N/A          |
| 22700 | Rosuvastatin 2,3-Anhydro (5S)-Lactone            | VS-R052049 | 1246665-85-9 |
| 22701 | Rosuvastatin 2,3-Anhydro Acid Ethyl Ester        | VS-R052050 | 2452383-23-0 |
| 22702 | Rosuvastatin 2,3-Anhydro Acid Methyl Ester       | VS-R052051 | 2452383-22-9 |

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| 22703 | Rosuvastatin 3-Oxo Acid Ethyl Ester       | VS-R052052 | 901765-36-4  |
| 22704 | Rosuvastatin 3-Oxo Acid Sodium Salt       | VS-R052053 | N/A          |
| 22705 | Rosuvastatin 4,5-Anhydro Acid Sodium Salt | VS-R052054 | N/A          |
| 22706 | Rosuvastatin 5-Oxo Acid Ethyl Ester       | VS-R052055 | 1863898-67-2 |
| 22707 | Rosuvastatin 5-Oxo Acid Methyl Ester      | VS-R052056 | 147118-39-6  |
| 22708 | Rosuvastatin 5-Oxo Acid t-Butyl Ester     | VS-R052057 | 615556-96-2  |
| 22709 | Rosuvastatin Acid Allyl Ester             | VS-R052058 | 1352945-05-1 |
| 22710 | Rosuvastatin Acid Isopropyl Ester         | VS-R052059 | 851440-21-6  |
| 22711 | Rosuvastatin Acid Methyl Ester            | VS-R052060 | 147118-40-9  |
| 22712 | Rosuvastatin Acid t-Butyl Ester           | VS-R052061 | 355806-00-7  |
| 22713 | Rosuvastatin Acyl-beta-D-Glucuronide      | VS-R052062 | 503610-44-4  |
| 22714 | Rosuvastatin Bromomethyl Impurity         | VS-R052063 | 799842-07-2  |
| 22715 | Rosuvastatin Formyl Impurity              | VS-R052064 | 147118-37-4  |
| 22716 | Rosuvastatin Hydroxymethyl Impurity       | VS-R052065 | 147118-36-3  |
| 22717 | Rosuvastatin Hydroxypropenyl Impurity     | VS-R052066 | 910867-08-2  |
| 22718 | Rosuvastatin N-Desmethyl Impurity         | VS-R052067 | 371775-74-5  |
| 22719 | Rosuvastatin N-Desmethyl Lactone          | VS-R052068 | 1797419-58-9 |
| 22720 | Rosuvastatin N-Desmethyl t-Butyl Ester    | VS-R052069 | 1283766-30-2 |
| 22721 | Rosuvastatin Oxopropenyl Impurity         | VS-R052070 | 890028-66-7  |
| 22722 | Rosuvastatin t-octylammonium salt         | VS-R052071 | 917805-85-7  |
| 22723 | Rosuvastatin Diastereoisomer              | VS-R052072 | N/A          |
| 22724 | Rosuvastatin Z-Isomer                     | VS-R052073 | N/A          |
| 22725 | 5-Hydroxy-3-keto Rosuvastatin             | VS-R052074 | 1346747-49-6 |
| 22726 | Rosuvastatin KSM (4S,6R)-isomer           | VS-R052075 | N/A          |
| 22727 | Rosuvastatin KSM (4R,6R)-isomer           | VS-R052076 | N/A          |
| 22728 | Rosuvastatin KSM (4S,6S)-isomer           | VS-R052077 | 1379976-09-6 |
| 22729 | 2-Thiobarbituric Acid                     | VS-R052078 | 504-17-6     |
| 22730 | Rosuvastatin (3R,5R)-Isomer               | VS-R052079 | 1094100-06-7 |
| 22731 | Ethyl (S)-4-Chloro-3-hydroxybutyrate      | VS-R052080 | 86728-85-0   |
| 22732 | Rosuvastatin Z-Isomer Sodium Salt         | VS-R052081 | N/A          |
| 22733 | Rosuvastatin (3R,5R)-Isomer (Na salt)     | VS-R052082 | N/A          |
| 22734 | Rosuvastatin Des-fluoro Impurity          | VS-R052083 | N/A          |
| 22735 | Rosuvastatin Impurity 2                   | VS-R052084 | 1659301-57-1 |
| 22736 | Rosuvastatin Impurity 4                   | VS-R052085 | 124655-09-0  |
| 22737 | Rosuvastatin Impurity 3                   | VS-R052086 | 1659301-59-3 |
| 22738 | Rosuvastatin Impurity 5                   | VS-R052087 | 124752-23-4  |
| 22739 | Rosuvastatin Impurity 6                   | VS-R052088 | 154026-95-6  |
| 22740 | Rosuvastatin Impurity 7                   | VS-R052089 | 289042-11-1  |
| 22741 | Rosuvastatin Impurity 8                   | VS-R052090 | 97145-88-5   |
| 22742 | Rosuvastatin Impurity 9                   | VS-R052091 | 84352-65-8   |
| 22743 | Rosuvastatin Impurity 10                  | VS-R052092 | N/A          |
| 22744 | Rosuvastatin Impurity 11                  | VS-R052093 | 2196204-63-2 |
| 22745 | Rosuvastatin Impurity 12                  | VS-R052094 | 727382-14-1  |
| 22746 | Rosuvastatin Impurity 13                  | VS-R052095 | 127913-44-4  |
| 22747 | Rosuvastatin Impurity 14                  | VS-R052096 | 65372-09-0   |
| 22748 | Rosuvastatin Impurity 15                  | VS-R052097 | 16427-41-1   |
| 22749 | Rosuvastatin Impurity 16                  | VS-R052098 | N/A          |



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| 22750 | Rosuvastatin Impurity 17                                                               | VS-R052099 | 2314445-48-0 |
| 22751 | Rosuvastatin Impurity 18                                                               | VS-R052100 | 953776-62-0  |
| 22752 | Rosuvastatin Impurity 19                                                               | VS-R052101 | 854898-48-9  |
| 22753 | Rosuvastatin Impurity 20                                                               | VS-R052102 | N/A          |
| 22754 | Rosuvastatin Impurity 21                                                               | VS-R052103 | 154026-92-3  |
| 22755 | Rosuvastatin Impurity 22                                                               | VS-R052104 | 154026-93-4  |
| 22756 | Rosuvastatin Impurity 23                                                               | VS-R052105 | N/A          |
| 22757 | Rosuvastatin Impurity 24                                                               | VS-R052106 | 1326303-05-2 |
| 22758 | Rosuvastatin Impurity 25                                                               | VS-R052107 | 42558-54-3   |
| 22759 | Rosuvastatin Impurity 26                                                               | VS-R052108 | 1571071-69-6 |
| 22760 | Rosuvastatin Impurity 27                                                               | VS-R052109 | 488798-37-4  |
| 22761 | Rosuvastatin Impurity 28                                                               | VS-R052110 | 5292-43-3    |
| 22762 | Rosuvastatin Impurity 29                                                               | VS-R052111 | N/A          |
| 22763 | Rosuvastatin Impurity 30                                                               | VS-R052112 | 2124275-54-1 |
| 22764 | Rosuvastatin Impurity 31                                                               | VS-R052113 | N/A          |
| 22765 | Rosuvastatin Impurity 32                                                               | VS-R052114 | 2125944-54-7 |
| 22766 | Rosuvastatin Impurity 33                                                               | VS-R052115 | N/A          |
| 22767 | Rosuvastatin Impurity 34                                                               | VS-R052116 | 488798-40-9  |
| 22768 | Rosuvastatin Impurity 35                                                               | VS-R052117 | N/A          |
| 22769 | 6,7-Dihydro Rosuvastatin Sodium Salt                                                   | VS-R052118 | 1347362-67-7 |
| 22770 | Rosuvastatin EP Impurity A                                                             | VS-R052119 | 1715120-13-0 |
| 22771 | Rosuvastatin (6S)-Isomer Sodium Salt                                                   | VS-R052120 | 854898-53-6  |
| 22772 | methyl 4-(4-fluorophenyl)-6-isopropyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate | VS-R052121 | 488798-36-3  |
| 22773 | 4-(4-fluorophenyl)-2-hydroxy-6-(propan-2-yl)pyrimidine-5-carboxylic acid               | VS-R052122 | NA           |
| 22774 | methyl 2-chloro-4-(4-fluorophenyl)-6-propan-2-ylpyrimidine-5-carboxylate               | VS-R052123 | 488798-38-5  |
| 22775 | 4-{4-fluorophenyl)-6-isopropyl-2-(N-methylsulfonyl} pyrimidine-5-carboxylic acid       | VS-R052124 | N/A          |
| 22776 | 5-Methyl Formate De(3,5-dihydroxyhept-6-enoate) Rosuvastatin                           | VS-R052125 | 371775-70-1  |
| 22777 | Rosuvastatin EP Impurity A (Calcium salt)                                              | VS-R052126 | 1714147-47-3 |
| 22778 | Rosuvastatin 4,6-Diene Impurity                                                        | VS-R052127 | 1422954-13-9 |
| 22779 | Rosuvastatin Related Compound B                                                        | VS-R052128 | N/A          |
| 22780 | (S)-3-hydroxynonanoic acid                                                             | VS-R052129 | 45023-83-4   |
| 22781 | (3R,5R)-Rosuvastatin Calcium salt                                                      | VS-R052130 | 1422515-55-6 |
| 22782 | Rosuvastatin EP Impurity M                                                             | VS-R052131 | 847849-66-5  |
| 22783 | Rosuvastatin EP Impurity E (Sodium Salt)                                               | VS-R052132 | 2226413-61-0 |
| 22784 | (3R,5S,6Z)-Rosuvastatin Calcium                                                        | VS-R052133 | 1444772-08-0 |
| 22785 | Rosuvastatin Impurity 36                                                               | VS-R052134 | 2274793-64-3 |
| 22786 | Rosuvastatin Impurity 37                                                               | VS-R052135 | N/A          |
| 22787 | Rotigotine EP Impurity A                                                               | VS-R053001 | 99755-59-6   |
| 22788 | Rotigotine EP Impurity B                                                               | VS-R053002 | 101470-23-9  |
| 22789 | Rotigotine EP Impurity C                                                               | VS-R053003 | 153409-14-4  |
| 22790 | Rotigotine EP Impurity D                                                               | VS-R053004 | 1369625-04-6 |
| 22791 | Rotigotine EP Impurity F                                                               | VS-R053005 | 835654-68-7  |
| 22792 | Rotigotine EP Impurity G                                                               | VS-R053006 | 1422357-33-2 |

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| 22793 | Rotigotine EP Impurity E            | VS-R053007 | N/A          |
| 22794 | Rotigotine EP Impurity H            | VS-R053008 | 1148154-91-9 |
| 22795 | Rotigotine EP Impurity I            | VS-R053009 | 1966941-11-6 |
| 22796 | Rotigotine EP Impurity J            | VS-R053010 | N/A          |
| 22797 | Rotigotine EP Impurity K            | VS-R053011 | 51927-48-1   |
| 22798 | Rotigotine Impurity 2               | VS-R053012 | 78950-82-0   |
| 22799 | Rotigotine Impurity 3               | VS-R053013 | 58349-17-0   |
| 22800 | Rotigotine                          | VS-R053014 | 99755-59-6   |
| 22801 | Racemic Rotigotine                  | VS-R053015 | 92206-54-7   |
| 22802 | Rotigotine Nitroso Impurity 1       | VS-R053016 | N/A          |
| 22803 | N-Nitroso Rotigotine EP Impurity C  | VS-R053017 | N/A          |
| 22804 | N-Nitroso Rotigotine EP Impurity B  | VS-R053018 | N/A          |
| 22805 | Rotigotine D7                       | VS-R053019 | 2070009-56-0 |
| 22806 | Roxadustat                          | VS-R054000 | 808118-40-3  |
| 22807 | Roxadustat Aziridine                | VS-R054001 | 2301113-15-3 |
| 22808 | Roxadustat Keto glycine             | VS-R054002 | N/A          |
| 22809 | Roxadustat Desmethyl                | VS-R054003 | 708263-68-7  |
| 22810 | Roxadustat N-Oxide                  | VS-R054004 | N/A          |
| 22811 | Roxadustat Glycine                  | VS-R054005 | 808116-60-1  |
| 22812 | Roxadustat Keto Impurity            | VS-R054006 | N/A          |
| 22813 | Roxadustat Impurity 1               | VS-R054007 | N/A          |
| 22814 | Roxadustat Impurity 2               | VS-R054008 | N/A          |
| 22815 | Roxadustat Impurity 3               | VS-R054009 | N/A          |
| 22816 | Roxadustat Impurity 4               | VS-R054010 | N/A          |
| 22817 | Roxatidine Hemioxalate              | VS-R055001 | 110925-92-3  |
| 22818 | 3-Hydroxy Benzaldehyde              | VS-R055002 | 100-83-4     |
| 22819 | Roxatidine Impurity 1               | VS-R055003 | 876497-65-3  |
| 22820 | Roxithromycin                       | VS-R056000 | 80214-83-1   |
| 22821 | Roxithromycin Impurity B            | VS-R056001 | 214902-82-6  |
| 22822 | Roxithromycin Impurity D            | VS-R056002 | 134931-00-3  |
| 22823 | Roxithromycin Impurity E            | VS-R056003 | 1460313-66-9 |
| 22824 | Roxithromycin Impurity F            | VS-R056004 | 118267-18-8  |
| 22825 | Roxithromycin EP impurity G         | VS-R056005 | 425365-64-6  |
| 22826 | Roxithromycin Impurity H            | VS-R056006 | 425365-65-7  |
| 22827 | Roxithromycin Impurity I            | VS-R056007 | 425365-66-8  |
| 22828 | Roxithromycin Impurity J            | VS-R056008 | 134834-12-1  |
| 22829 | Roxithromycin Impurity K            | VS-R056009 | N/A          |
| 22830 | Roxithromycin Impurity 1            | VS-R056010 | 89268-03-1   |
| 22831 | Rucaparib Hemi-Edisylate            | VS-R057001 | 2241504-16-3 |
| 22832 | Rucaparib Impurity 1                | VS-R057002 | 1408282-26-7 |
| 22833 | Rucaparib Impurity 2                | VS-R057003 | 283173-80-8  |
| 22834 | Rucaparib Impurity 3                | VS-R057004 | 283173-84-2  |
| 22835 | Rucaparib Impurity 4                | VS-R057005 | 1577983-73-3 |
| 22836 | Rucaparib Impurity 5                | VS-R057006 | N/A          |
| 22837 | Rufinamide                          | VS-R058000 | 106308-44-5  |
| 22838 | Rufinamide 2,6-Didesfluoro Impurity | VS-R058001 | 80819-65-4   |
| 22839 | Rufinamide USP Related Compound A   | VS-R058002 | 106308-41-2  |

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| 22840 | Rufinamide USP Related Compound B        | VS-R058003 | 217448-86-7  |
| 22841 | Rufinamide Acid Impurity                 | VS-R058004 | 166196-11-8  |
| 22842 | Rufinamide Cyano Impurity                | VS-R058005 | 202003-06-3  |
| 22843 | Rufinamide-5-Carboxamide                 | VS-R058006 | 1622904-99-7 |
| 22844 | Rufinamide Ethyl Ester                   | VS-R058007 | 869501-51-9  |
| 22845 | Rufinamide Impurity 2                    | VS-R058008 | N/A          |
| 22846 | Ruxolitinib                              | VS-R059000 | 941678-49-5  |
| 22847 | Ruxolitinib Phosphate                    | VS-R059001 | 1092939-17-7 |
| 22848 | Ruxolitinib Diamine Impurity             | VS-R059002 | 952518-97-7  |
| 22849 | Ruxolitinib Amide Impurity               | VS-R059003 | 2271228-51-2 |
| 22850 | Ruxolitinib Lactone Impurity             | VS-R059004 | N/A          |
| 22851 | Ruxolitinib Hydroxy Impurity             | VS-R059005 | 1187595-89-6 |
| 22852 | Ruxolitinib SEM-Sulfonyl Impurity        | VS-R059006 | 187594-13-3  |
| 22853 | Ruxolitinib M18 Metabolite               | VS-R059007 | 1315607-85-2 |
| 22854 | Ruxolitinib Acrylo pyrimidine Impurity   | VS-R059008 | 941685-39-8  |
| 22855 | Ruxolitinib N-Oxide Impurity 1           | VS-R059009 | N/A          |
| 22856 | Ruxolitinib N-Oxide Impurity 2           | VS-R059010 | N/A          |
| 22857 | Ruxolitinib Impurity 1                   | VS-R059011 | 941685-40-1  |
| 22858 | Ruxolitinib Amide                        | VS-R059012 | 1911644-32-0 |
| 22859 | Ruxolitinib Impurity 3                   | VS-R059013 | 941685-27-4  |
| 22860 | Ruxolitinib Impurity 4                   | VS-R059014 | N/A          |
| 22861 | Ruxolitinib Impurity 5                   | VS-R059015 | 2102675-40-9 |
| 22862 | Ruxolitinib Impurity 6                   | VS-R059016 | 2606144-44-7 |
| 22863 | Ruxolitinib Impurity 7                   | VS-R059017 | 2606144-45-8 |
| 22864 | Ruxolitinib SEM tartaric acid S-isomer   | VS-R059018 | NA           |
| 22865 | Ruxolitinib Impurity 8                   | VS-R059019 | NA           |
| 22866 | Ruxolitinib Impurity 9                   | VS-R059020 | NA           |
| 22867 | Ruxolitinib Methyl Hydroxy               | VS-R059021 | 1236033-03-6 |
| 22868 | Ruxolitinib S-Isomer                     | VS-R059022 | 941685-37-6  |
| 22869 | Ruxolitinib Carboxylic acid              | VS-R059023 | NA           |
| 22870 | Ruxolitinib SEM Chloro pyrimidine        | VS-R059024 | 941685-26-3  |
| 22871 | Ruxolitinib acid impurity                | VS-R059025 | NA           |
| 22872 | RUXOLUTINIB SEM-Cl impurity              | VS-R059026 | NA           |
| 22873 | Ruxolitinib Hydroxy Pyrimidine Impurity  | VS-R059027 | NA           |
| 22874 | 2,4-Dichlorobenzyl Alcohol               | VS-R060001 | 1777-82-8    |
| 22875 | 2,4-Dichlorobenzyl Alcohol EP Impurity A | VS-R060002 | 34145-05-6   |
| 22876 | 2,4-Dichlorobenzyl Alcohol EP Impurity B | VS-R060003 | 15258-73-8   |
| 22877 | 2,4-Dichlorobenzyl Alcohol EP Impurity C | VS-R060004 | 1805-32-9    |
| 22878 | 2,4-Dichlorobenzyl Alcohol EP Impurity D | VS-R060005 | 5468-96-2    |
| 22879 | 2,4-Dichlorobenzyl Alcohol EP Impurity E | VS-R060006 | 50-84-0      |
| 22880 | 2,4-Dichlorobenzyl Alcohol EP Impurity F | VS-R060007 | 874-42-0     |
| 22881 | 2,4-Dichlorobenzyl Alcohol EP Impurity G | VS-R060008 | 207974-13-8  |
| 22882 | Rupatadine                               | VS-R061000 | 158876-82-5  |
| 22883 | Rupatadine Fumarate                      | VS-R061001 | 182349-12-8  |
| 22884 | Rupatadine EP impurity A                 | VS-R061002 | 1354055-68-7 |
| 22885 | Rupatadine Impurity A                    | VS-R061003 | 158876-83-6  |
| 22886 | Rupatadine Impurity B                    | VS-R061004 | 156523-04-5  |

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| 22887 | Rupatadine Impurity E          | VS-R061005 | 1224515-72-3 |
| 22888 | Rupatadine Dimer               | VS-R061006 | N/A          |
| 22889 | Rupatadine N-Oxide             | VS-R061007 | 1704730-21-1 |
| 22890 | Rupatadine Impurity 1          | VS-R061008 | 2387-23-7    |
| 22891 | Rupatadine Impurity 2          | VS-R061009 | 1422960-88-0 |
| 22892 | Rupatadine Impurity 3          | VS-R061010 | 35991-75-4   |
| 22893 | Rupatadine Impurity 4          | VS-R061011 | N/A          |
| 22894 | Rupatadine Impurity 5          | VS-R061012 | N/A          |
| 22895 | Rosiglitazone                  | VS-R062000 | 122320-73-4  |
| 22896 | Rostafuroxin                   | VS-R063000 | 156722-18-8  |
| 22897 | Rimegepant                     | VS-R064000 | 1289023-67-1 |
| 22898 | Rimegepant Impurity 1          | VS-R064001 | NA           |
| 22899 | Rimegepant Impurity 2          | VS-R064002 | 1373116-05-2 |
| 22900 | Rimegepant Impurity 3          | VS-R064003 | NA           |
| 22901 | Rimegepant Impurity 4          | VS-R064004 | 781649-86-3  |
| 22902 | Rimegepant Impurity 5          | VS-R064005 | 852627-75-9  |
| 22903 | Rimegepant Impurity 6          | VS-R064006 | 1190363-44-0 |
| 22904 | Rimegepant Impurity 7          | VS-R064007 | 1190363-45-1 |
| 22905 | Rimegepant Impurity 8          | VS-R064008 | 1397526-11-2 |
| 22906 | Rimegepant Impurity 9          | VS-R064009 | 38573-88-5   |
| 22907 | Rimegepant Nitroso Impurity 1  | VS-R064010 | NA           |
| 22908 | Rimegepant Nitroso Impurity 2  | VS-R064011 | NA           |
| 22909 | Rimegepant Nitroso Impurity 3  | VS-R064012 | NA           |
| 22910 | Rimegepant Nitroso Impurity 4  | VS-R064013 | NA           |
| 22911 | Rimegepant-D4                  | VS-R064014 | NA           |
| 22912 | Rimegepant Impurity 10         | VS-R064015 | 1373116-06-3 |
| 22913 | Rimantadine Hydrochloride      | VS-R065000 | 1501-84-4    |
| 22914 | 1-Acetyladamantane             | VS-R065001 | 1660-04-4    |
| 22915 | Risdiplam                      | VS-R066000 | 1825352-65-5 |
| 22916 | Risdiplam Impurity 1           | VS-R066001 | NA           |
| 22917 | Risdiplam Impurity 2           | VS-R066002 | NA           |
| 22918 | Risdiplam Impurity 3           | VS-R066003 | NA           |
| 22919 | Risdiplam Impurity 4           | VS-R066004 | NA           |
| 22920 | Risdiplam D4                   | VS-R066005 | NA           |
| 22921 | N-Hydroxy Risdiplam            | VS-R066006 | 2250441-24-6 |
| 22922 | N-Nitroso Risdiplam            | VS-R066007 | NA           |
| 22923 | N-Nitroso Risdiplam Impurity 1 | VS-R066008 | NA           |
| 22924 | Risdiplam N-oxide impurity     | VS-R066009 | NA           |
| 22925 | Remifentanil EP Impurity A     | VS-R067000 | 72996-78-2   |
| 22926 | Remifentanil EP Impurity B     | VS-R067001 | 1332691-33-4 |
| 22927 | Remifentanil EP Impurity C     | VS-R067002 | 132875-68-4  |
| 22928 | Remifentanil EP Impurity D     | VS-R067003 | 2512217-98-8 |
| 22929 | Remifentanil EP Impurity E     | VS-R067004 | 2518277-19-3 |
| 22930 | Remifentanil EP Impurity G     | VS-R067005 | 61085-72-1   |
| 22931 | Remifentanil EP Impurity H     | VS-R067006 | 968-86-5     |
| 22932 | Remifentanil EP Impurity I     | VS-R067007 | 1096-03-3    |
| 22933 | Remifentanil EP Impurity J     | VS-R067008 | 61085-60-7   |

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| 22934 | Remifentanil EP Impurity K            | VS-R067009 | 59708-50-8   |
| 22935 | Remifentanil EP Impurity L            | VS-R067010 | 2518276-69-0 |
| 22936 | Remifentanil EP Impurity M            | VS-R067011 | 938184-94-2  |
| 22937 | Remifentanil EP Impurity N            | VS-R067012 | 960122-89-8  |
| 22938 | Remifentanil EP Impurity O            | VS-R067013 | 620-71-3     |
| 22939 | Methyl prop-2-enoate                  | VS-R067014 | 96-33-3      |
| 22940 | Remifentanil EP Impurity A (HCl salt) | VS-R067015 | 61085-87-8   |
| 22941 | Robenacoxib                           | VS-R068000 | 220991-32-2  |
| 22942 | Robenacoxib Impurity A                | VS-R068001 | 20172-36-5   |
| 22943 | Robenacoxib Impurity B                | VS-R068002 | 332903-60-3  |
| 22944 | Robenacoxib Impurity C                | VS-R068003 | 332903-68-1  |
| 22945 | Robenacoxib Impurity D                | VS-R068004 | 220991-61-7  |
| 22946 | Robenacoxib Impurity E                | VS-R068005 | 2192217-93-7 |
| 22947 | Robenacoxib Impurity F                | VS-R068006 | 2192217-92-6 |
| 22948 | Robenacoxib Impurity G                | VS-R068007 | NA           |
| 22949 | Robenacoxib Impurity H                | VS-R068008 | 589-16-2     |
| 22950 | Robenacoxib Impurity I                | VS-R068009 | 769-39-1     |
| 22951 | Robenacoxib Impurity J                | VS-R068010 | NA           |
| 22952 | Robenacoxib-D5                        | VS-R068011 | 2012598-81-9 |
| 22953 | Sacubitril Calcium                    | VS-S001001 | 1369773-39-6 |
| 22954 | Sacubitril Sodium                     | VS-S001002 | 149690-05-1  |
| 22955 | Sacubitril-(2S,4S)-Isomer             | VS-S001003 | 149709-63-7  |
| 22956 | Sacubitril-(2R,4R)-Isomer             | VS-S001004 | 2259708-00-2 |
| 22957 | Cyclic Impurity Of Sacubitril         | VS-S001005 | 1038924-70-7 |
| 22958 | Sacubitril Maleic acid                | VS-S001006 | N/A          |
| 22959 | Sacubitril Methyl ester               | VS-S001007 | 2408053-56-3 |
| 22960 | (2R,4S)-Sacubitril                    | VS-S001008 | 761373-05-1  |
| 22961 | Valsartan Sacubitril                  | VS-S001009 | 936623-90-4  |
| 22962 | Sacubitril N-Acetyl Impurity          | VS-S001010 | N/A          |
| 22963 | Sacubitril Propyl Ester               | VS-S001011 | N/A          |
| 22964 | Sacubitril Impurity 2                 | VS-S001012 | 1038924-97-8 |
| 22965 | Sacubitril Impurity 3                 | VS-S001013 | 1038925-00-6 |
| 22966 | Sacubitril Impurity 4                 | VS-S001014 | 149709-44-4  |
| 22967 | Sacubitril Impurity 5                 | VS-S001015 | 1012341-56-8 |
| 22968 | Sacubitril Impurity 6                 | VS-S001016 | 1012341-54-6 |
| 22969 | Sacubitril Impurity 7                 | VS-S001017 | 1012341-52-4 |
| 22970 | Sacubitril Impurity 8                 | VS-S001018 | 1012341-50-2 |
| 22971 | Sacubitril Amine Impurity             | VS-S001019 | 149690-12-0  |
| 22972 | Sacubitril Impurity 10                | VS-S001020 | 149709-60-4  |
| 22973 | Sacubitril Impurity 11                | VS-S001021 | 1038924-71-8 |
| 22974 | Sacubitril Impurity 12                | VS-S001022 | 1015037-46-3 |
| 22975 | Sacubitril Impurity 13                | VS-S001023 | 2459446-51-4 |
| 22976 | Sacubitril Impurity 14                | VS-S001024 | 2216755-67-6 |
| 22977 | Sacubitril Impurity 15                | VS-S001025 | 2459446-53-6 |
| 22978 | Sacubitril Impurity 16                | VS-S001026 | 149709-49-9  |
| 22979 | Sacubitril Impurity 17                | VS-S001027 | 2376611-98-0 |
| 22980 | Sacubitril Impurity 18                | VS-S001028 | 1426129-50-1 |

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| 22981 | Sacubitril Impurity 19                                                         | VS-S001029 | N/A          |
| 22982 | Sacubitril Impurity 20                                                         | VS-S001030 | 2459446-55-8 |
| 22983 | Sacubitril Impurity 21                                                         | VS-S001031 | 1817838-91-7 |
| 22984 | Sacubitril Impurity 22                                                         | VS-S001032 | 1012341-48-8 |
| 22985 | Sacubitril Impurity 23                                                         | VS-S001033 | 2459446-56-9 |
| 22986 | Sacubitril Impurity 24                                                         | VS-S001034 | N/A          |
| 22987 | Sacubitril Impurity 25                                                         | VS-S001035 | 2413471-13-1 |
| 22988 | Sacubitril Impurity 26                                                         | VS-S001036 | N/A          |
| 22989 | Sacubitril Impurity 27                                                         | VS-S001037 | 149709-59-1  |
| 22990 | Sacubitril Impurity 28                                                         | VS-S001038 | 2101222-42-6 |
| 22991 | Sacubitril Impurity 29                                                         | VS-S001039 | 1038925-22-2 |
| 22992 | Sacubitril Impurity 31                                                         | VS-S001040 | 5717-37-3    |
| 22993 | Sacubitril Impurity 30                                                         | VS-S001041 | 128779-47-5  |
| 22994 | Sacubitril Impurity 32                                                         | VS-S001042 | N/A          |
| 22995 | Sacubitril Impurity 33                                                         | VS-S001043 | 219718-02-2  |
| 22996 | Sacubitril Impurity 34                                                         | VS-S001044 | 1660147-07-8 |
| 22997 | Sacubitril Impurity 35                                                         | VS-S001045 | 1810778-75-6 |
| 22998 | Sacubitril                                                                     | VS-S001046 | 149709-62-6  |
| 22999 | Sacubitril Isopropyl Ester                                                     | VS-S001047 | 2514965-95-6 |
| 23000 | (R)-2-(1-([1,1'-Biphenyl]-4-yl)-3-(benzyloxy)propan-2-yl)isoindoline-1,3-dione | VS-S001048 | 2036308-56-0 |
| 23001 | Sacubitril Tromethamine standard                                               | VS-S001049 | 565453-99-8  |
| 23002 | Sacubitril Lactam impurity                                                     | VS-S001050 | NA           |
| 23003 | Sacubitril Malic analogue                                                      | VS-S001051 | NA           |
| 23004 | Sacubitril Impurity K                                                          | VS-S001052 | NA           |
| 23005 | Sacubitril Impurity L                                                          | VS-S001053 | NA           |
| 23006 | Sacubitril Impurity 36                                                         | VS-S001054 | 1573000-33-5 |
| 23007 | Sacubitril Impurity 37                                                         | VS-S001055 | 1573000-28-8 |
| 23008 | Sacubitril Impurity 38                                                         | VS-S001056 | 2216747-18-9 |
| 23009 | Sacubitril Impurity 39                                                         | VS-S001057 | 149709-58-0  |
| 23010 | Sacubitril Impurity 40                                                         | VS-S001058 | 153037-40-2  |
| 23011 | Sacubitril Impurity 41                                                         | VS-S001059 | 1924620-55-2 |
| 23012 | Sacubitril Impurity 42                                                         | VS-S001060 | NA           |
| 23013 | Sacubitril Impurity 43                                                         | VS-S001061 | 1995860-03-1 |
| 23014 | Sacubitril Impurity 44                                                         | VS-S001062 | 149690-13-1  |
| 23015 | Sacubitril Maleic Acid (Z-Isomer)                                              | VS-S001063 | 2751722-77-5 |
| 23016 | N-Nitroso Sacubitril                                                           | VS-S001064 | NA           |
| 23017 | (2R,4R)-Sacubitril                                                             | VS-S001065 | 766480-48-2  |
| 23018 | Sacubitrilat-13C4                                                              | VS-S001066 | NA           |
| 23019 | Sacubitril-d5                                                                  | VS-S001067 | NA           |
| 23020 | Sacubitril Impurity 45                                                         | VS-S001068 | 131685-53-5  |
| 23021 | Sacubitril Impurity 46                                                         | VS-S001069 | 1835193-08-2 |
| 23022 | 4-iodo-D-phenylalanine                                                         | VS-S001070 | 62561-75-5   |
| 23023 | (R)-2-(tert-butylamino)-3-(4-iodophenyl)propan-1-ol                            | VS-S001071 | NA           |
| 23024 | Safinamide                                                                     | VS-S002000 | 133865-89-1  |
| 23025 | Safinamide Impurity 1                                                          | VS-S002001 | N/A          |
| 23026 | Safinamide Impurity 2                                                          | VS-S002002 | 1843368-38-6 |

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| 23027 | Safinamide Impurity 3                  | VS-S002003 | 1000370-24-0 |
| 23028 | Safinamide Impurity 4                  | VS-S002004 | 866149-39-5  |
| 23029 | Safinamide Impurity 5                  | VS-S002005 | 1000370-27-3 |
| 23030 | Salbutamol                             | VS-S003000 | 18559-94-9   |
| 23031 | Salbutamol Hydrochloride               | VS-S003001 | 51293-66-4   |
| 23032 | Salbutamol EP Impurity L               | VS-S003002 | 898542-81-9  |
| 23033 | Salbutamol EP Impurity M Hydrochloride | VS-S003003 | 27566-30-9   |
| 23034 | Salbutamol EP Impurity A               | VS-S003004 | 870076-72-5  |
| 23035 | Salbutamol EP Impurity A Hydrochloride | VS-S003005 | 2468639-65-6 |
| 23036 | Salbutamol EP Impurity B               | VS-S003006 | 96948-64-0   |
| 23037 | Salbutamol EP Impurity B Hydrochloride | VS-S003007 | 112337-52-7  |
| 23038 | Salbutamol EP Impurity C               | VS-S003008 | 18910-68-4   |
| 23039 | Salbutamol EP Impurity C Sulphate      | VS-S003009 | 1956308-05-6 |
| 23040 | Salbutamol EP Impurity D               | VS-S003010 | 156339-88-7  |
| 23041 | Salbutamol EP Impurity D Sulfate salt  | VS-S003011 | 2624100-96-3 |
| 23042 | Salbutamol EP Impurity E               | VS-S003012 | 24085-03-8   |
| 23043 | Salbutamol EP Impurity F               | VS-S003013 | 147663-30-7  |
| 23044 | Salbutamol Impurity F                  | VS-S003014 | N/A          |
| 23045 | Salbutamol EP Impurity G               | VS-S003015 | 64092-10-0   |
| 23046 | Salbutamol EP Impurity G Hydrochloride | VS-S003016 | 24085-08-3   |
| 23047 | Salbutamol EP Impurity H               | VS-S003017 | 132183-64-3  |
| 23048 | Salbutamol EP Impurity H Hydrochloride | VS-S003018 | 2252153-95-8 |
| 23049 | Salbutamol EP Impurity I               | VS-S003019 | 56796-66-8   |
| 23050 | Salbutamol EP Impurity J               | VS-S003020 | 156547-62-5  |
| 23051 | Salbutamol EP Impurity K               | VS-S003021 | 898542-80-8  |
| 23052 | Salbutamol EP Impurity K (hemihydrate) | VS-S003022 | N/A          |
| 23053 | Salbutamol EP Impurity L               | VS-S003023 | N/A          |
| 23054 | Salbutamol EP Impurity M               | VS-S003024 | 18910-70-8   |
| 23055 | Salbutamol EP Impurity N               | VS-S003025 | 149222-15-1  |
| 23056 | Salbutamol Impurity O                  | VS-S003026 | N/A          |
| 23057 | Salbutamol Impurity P                  | VS-S003027 | N/A          |
| 23058 | Levalbuterol Related Compound E HCl    | VS-S003028 | 69716-64-9   |
| 23059 | Salbutamol Ethyl Ether                 | VS-S003029 | 1221742-55-7 |
| 23060 | Salbutamol Diethyl Ether               | VS-S003030 | 1221726-71-1 |
| 23061 | Salbutamol Sulfate                     | VS-S003031 | 51022-70-9   |
| 23062 | Salbutamol Glyoxal Impurity            | VS-S003032 | N/A          |
| 23063 | (R)-Salbutamol ((R)-Albuterol HCl)     | VS-S003033 | N/A          |
| 23064 | (S)- Salbutamol ((S)-Albuterol)        | VS-S003034 | 50293-91-9   |
| 23065 | 5-Hydroxy Salbutamol                   | VS-S003035 | 182676-90-0  |
| 23066 | Albuterol Sulfate                      | VS-S003036 | N/A          |
| 23067 | Colterol                               | VS-S003037 | 18866-78-9   |
| 23068 | Salbutamol Related Compound 1          | VS-S003038 | 156339-89-8  |
| 23069 | Salbutamol Related Compound 2          | VS-S003039 | 51234-21-0   |
| 23070 | Salbutamol Impurity 5                  | VS-S003040 | 54030-32-9   |
| 23071 | Salbutamol Impurity 1                  | VS-S003041 | N/A          |
| 23072 | Salbutamol Impurity 2                  | VS-S003042 | N/A          |
| 23073 | Salbutamol Impurity 3                  | VS-S003043 | N/A          |

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| 23074 | Salbutamol Impurity 4                           | VS-S003044 | 934842-69-0  |
| 23075 | Methyl 5-acetyl-2-(benzyloxy)benzoate           | VS-S003045 | 27475-09-8   |
| 23076 | Salmeterol-phenyl-2-butoxy                      | VS-S003046 | 108928-81-0  |
| 23077 | N-Nitroso Salbutamol                            | VS-S003047 | 2919946-71-5 |
| 23078 | Salmeterol                                      | VS-S004000 | 89365-50-4   |
| 23079 | Salmeterol Xinafoate                            | VS-S004001 | 94749-08-3   |
| 23080 | Salmeterol EP Impurity A                        | VS-S004002 | 1798014-51-3 |
| 23081 | Salmeterol EP Impurity B                        | VS-S004003 | 94749-02-7   |
| 23082 | Salmeterol EP Impurity C                        | VS-S004004 | 94749-11-8   |
| 23083 | Salmeterol EP Impurity D                        | VS-S004005 | 1391052-04-2 |
| 23084 | Salmeterol EP Impurity E                        | VS-S004006 | N/A          |
| 23085 | Salmeterol EP Impurity F                        | VS-S004007 | 1391054-40-2 |
| 23086 | Salmeterol EP Impurity G                        | VS-S004008 | 2470130-36-8 |
| 23087 | Salmeterol Hydroxynaphthoic Acid Impurity (USP) | VS-S004009 | 86-48-6      |
| 23088 | Salmeterol USP RC H                             | VS-S004010 | 1330076-52-2 |
| 23089 | Benzyl Salmeterol                               | VS-S004011 | 943969-38-8  |
| 23090 | Salmeterol Impurity 1                           | VS-S004012 | N/A          |
| 23091 | Salmeterol Impurity 2                           | VS-S004013 | 160889-18-9  |
| 23092 | Salmeterol Impurity 3                           | VS-S004014 | N/A          |
| 23093 | Salmeterol Impurity 4                           | VS-S004015 | N/A          |
| 23094 | Salmeterol Impurity 5                           | VS-S004016 | N/A          |
| 23095 | Salmeterol Impurity 6                           | VS-S004017 | 97664-55-6   |
| 23096 | Salmeterol Impurity 7                           | VS-S004018 | 27475-14-5   |
| 23097 | Salmeterol Impurity 8                           | VS-S004019 | 129951-06-0  |
| 23098 | Sapropterin                                     | VS-S005000 | 62989-33-7   |
| 23099 | Sapropterin Dihydrochloride                     | VS-S005001 | 69056-38-8   |
| 23100 | Sapropterin Impurity A                          | VS-S005002 | 5752-25-0    |
| 23101 | Sapropterin Impurity D                          | VS-S005003 | 2236-60-4    |
| 23102 | Sapropterin Impurity F                          | VS-S005004 | 62933-57-7   |
| 23103 | Sapropterin Impurity G                          | VS-S005005 | 100-63-0     |
| 23104 | Sapropterin Sulfate Impurity E                  | VS-S005006 | 35011-47-3   |
| 23105 | Biopterin                                       | VS-S005007 | 22150-76-1   |
| 23106 | 7,8-Dihydrobiopterin                            | VS-S005008 | 6779-87-9    |
| 23107 | S-Tetrahydrobiopterin                           | VS-S005009 | 62961-57-3   |
| 23108 | S-Tetrahydrobiopterin Dihydrochloride           | VS-S005010 | 69056-39-9   |
| 23109 | Deoxysepiapterin                                | VS-S005011 | 1797-87-1    |
| 23110 | Dehydrodeoxysepiapterin                         | VS-S005012 | 71014-28-3   |
| 23111 | 6R-Tetrahydrobiolumazine                        | VS-S005013 | N/A          |
| 23112 | L-Sepiapterin                                   | VS-S005014 | 17094-01-8   |
| 23113 | Neopterin                                       | VS-S005015 | 2009-64-5    |
| 23114 | 5,6-Dihydrobiopterin                            | VS-S005016 | 251310-15-3  |
| 23115 | 6S-Tetrahydrobilumazine                         | VS-S005017 | N/A          |
| 23116 | Sapropterin Sulfate                             | VS-S005018 | 103130-44-5  |
| 23117 | 7-(Hydroxymethyl)tetrahydrobiopterin            | VS-S005019 | N/A          |
| 23118 | 7,8-Dihydropterin                               | VS-S005020 | N/A          |
| 23119 | Sapropterin Impurity 1                          | VS-S005021 | 2098644-02-9 |
| 23120 | Sapropterin Impurity 2                          | VS-S005022 | 2098644-06-3 |



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| 23121 | Sapropterin Impurity 3                    | VS-S005023 | N/A          |
| 23122 | Sapropterin Impurity 4                    | VS-S005024 | N/A          |
| 23123 | Sapropterin Impurity 5                    | VS-S005025 | N/A          |
| 23124 | Sapropterin Impurity 6                    | VS-S005026 | 1067512-58-6 |
| 23125 | Sapropterin Nitroso Impurity 1            | VS-S005027 | NA           |
| 23126 | Sapropterin Nitroso Impurity 2            | VS-S005028 | NA           |
| 23127 | Sapropterin Nitroso Impurity 3            | VS-S005029 | NA           |
| 23128 | Sapropterin Impurity 7                    | VS-S005030 | 109784-74-9  |
| 23129 | Sapropterin Impurity 8                    | VS-S005031 | NA           |
| 23130 | Sapropterin Nitroso Impurity 4            | VS-S005032 | NA           |
| 23131 | Sapropterin Nitroso Impurity 5            | VS-S005033 | NA           |
| 23132 | Sapropterin Nitroso Impurity 6            | VS-S005034 | NA           |
| 23133 | Saxagliptin                               | VS-S006000 | 361442-04-8  |
| 23134 | Saxagliptin Hydrate                       | VS-S006001 | 945667-22-1  |
| 23135 | Saxagliptin HCl                           | VS-S006002 | 709031-78-7  |
| 23136 | Saxagliptin O-Sulfate                     | VS-S006003 | 1429782-94-4 |
| 23137 | Saxagliptin N-Carboxybenzyl O-Sulfate     | VS-S006004 | N/A          |
| 23138 | Saxagliptin N-Carboxybenzyl               | VS-S006005 | 1408335-73-8 |
| 23139 | Saxagliptin Cyclic Amide                  | VS-S006006 | 1350800-77-9 |
| 23140 | Saxagliptin Dihydroxylated Metabolite     | VS-S006007 | N/A          |
| 23141 | Boc-Saxagliptin                           | VS-S006008 | 709031-43-6  |
| 23142 | 3-Deoxy Saxagliptin                       | VS-S006009 | 361441-98-7  |
| 23143 | 3-Descarbonitrile 3-Acetamido Saxagliptin | VS-S006010 | 1496712-39-0 |
| 23144 | N-Formyl Saxagliptin                      | VS-S006011 | N/A          |
| 23145 | (2S,2'R,cis)-Deoxy-Saxagliptin            | VS-S006012 | N/A          |
| 23146 | (2R,2'S,trans)-Deoxy-Saxagliptin          | VS-S006013 | N/A          |
| 23147 | (2R,2'R,cis)-Deoxy-Saxagliptin            | VS-S006014 | N/A          |
| 23148 | (2R,2'R,trans)-Deoxy-Saxagliptin          | VS-S006015 | N/A          |
| 23149 | (2R,2'S,cis)-Deoxy-Saxagliptin            | VS-S006016 | N/A          |
| 23150 | (2S,2'S,trans)-Deoxy-Saxagliptin          | VS-S006017 | N/A          |
| 23151 | (2S,2'R,trans)-Deoxy-Saxagliptin          | VS-S006018 | N/A          |
| 23152 | Hydroxy Saxagliptin                       | VS-S006019 | 841302-24-7  |
| 23153 | (2S,2'R,cis)-7-Hydroxy-Saxagliptin        | VS-S006020 | 1795791-40-0 |
| 23154 | (2R,2'S,trans)-7-Hydroxy-Saxagliptin      | VS-S006021 | N/A          |
| 23155 | (2S,2'R,trans)-7-Hydroxy-Saxagliptin      | VS-S006022 | N/A          |
| 23156 | (2R,2'R,trans)-7-Hydroxy-Saxagliptin      | VS-S006023 | N/A          |
| 23157 | (2R,2'S,cis)-7-Hydroxy-Saxagliptin        | VS-S006024 | N/A          |
| 23158 | (2S,2'S,trans)-7-Hydroxy-Saxagliptin      | VS-S006025 | N/A          |
| 23159 | (2R,2'R,cis)-7-Hydroxy-Saxagliptin        | VS-S006026 | 1310011-46-1 |
| 23160 | (2'R,2S,cis)-Saxagliptin                  | VS-S006027 | N/A          |
| 23161 | (2'S,2R,trans)-Saxagliptin                | VS-S006028 | N/A          |
| 23162 | (2'R,2R,cis)-Saxagliptin                  | VS-S006029 | N/A          |
| 23163 | (2'R,2R,trans)-Saxagliptin                | VS-S006030 | 1564266-03-0 |
| 23164 | (2'S,2R,cis)-Saxagliptin                  | VS-S006031 | 1564265-94-6 |
| 23165 | (2S,2S',trans)-Saxagliptin                | VS-S006032 | 1564265-96-8 |
| 23166 | (2S,2R',trans)-Saxagliptin                | VS-S006033 | N/A          |
| 23167 | 2-Adamantanone-5-carboxylic Acid          | VS-S006034 | 56674-87-4   |

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|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|
| 23168 | 1-Adamantylcarboxaldehyde                                                                                                                                  | VS-S006035 | 2094-74-8    |
| 23169 | (S)-Boc-adamantylglycine                                                                                                                                   | VS-S006036 | 361441-97-6  |
| 23170 | (S)-Adamantylglycine Hydrochloride                                                                                                                         | VS-S006037 | 102502-64-7  |
| 23171 | Saxagliptin Imine Impurity                                                                                                                                 | VS-S006038 | 1350800-76-8 |
| 23172 | (1aS,4S,6aR,7aS)-6-Amino-4-(3,5-dihydroxytricyclo[3.3.1.1 <sup>3,7</sup> ]dec-1-yl)-1,1a,4,6a,7,7a-hexahydro-3H-cyclopropa[4,5]pyrrolo[1,2-a]pyrazin-3-one | VS-S006039 | 1429782-93-3 |
| 23173 | (S)-Boc-2-carbamoyl-2,3-dihydro-1H-pyrrole                                                                                                                 | VS-S006040 | 709031-38-9  |
| 23174 | (S)-1-Boc-2,3-dihydro-2-pyrrolecarboxylic Acid                                                                                                             | VS-S006041 | 178172-26-4  |
| 23175 | Boc-3,5-dihydroxy-1-adamantyl-L-glycine                                                                                                                    | VS-S006042 | 681282-72-4  |
| 23176 | Boc-3-hydroxy-1-adamantyl-D-glycine                                                                                                                        | VS-S006043 | 361442-00-4  |
| 23177 | Boc-3-hydroxy-1-adamantyl-L-glycine                                                                                                                        | VS-S006044 | 1334321-39-9 |
| 23178 | N $\alpha$ -Boc-L-Ornithine                                                                                                                                | VS-S006045 | 21887-64-9   |
| 23179 | (1S,3S,5S)-2-Boc-2-azabicyclo[3.1.0]hexane-3-carboxylic Acid                                                                                               | VS-S006046 | 197142-36-2  |
| 23180 | tert-Butyl (1R,3R,5R)-3-Carbamoyl-2-azabicyclo[3.1.0]hexane-2-carboxylate                                                                                  | VS-S006047 | 1564266-54-1 |
| 23181 | tert-Butyl (1R,3S,5R)-3-Carbamoyl-2-azabicyclo[3.1.0]hexane-2-carboxylate                                                                                  | VS-S006048 | 1445592-86-8 |
| 23182 | tert-Butyl (1S,3R,5S)-3-Carbamoyl-2-azabicyclo[3.1.0]hexane-2-carboxylate                                                                                  | VS-S006049 | 1564266-79-0 |
| 23183 | Saxagliptin keto Impurity                                                                                                                                  | VS-S006050 | N/A          |
| 23184 | Saxagliptin-N-BOC-Amide                                                                                                                                    | VS-S006051 | 361440-67-7  |
| 23185 | R Isomer of saxagliptin amide                                                                                                                              | VS-S006052 | 1133811-49-0 |
| 23186 | S Isomer of saxagliptin amide                                                                                                                              | VS-S006053 | 361440-68-8  |
| 23187 | Saxagliptin C2-Epimer (Oxalate Salt)                                                                                                                       | VS-S006054 | N/A          |
| 23188 | (2'S,2R,trans)-Saxagliptin Isopropylate                                                                                                                    | VS-S006055 | N/A          |
| 23189 | 3-Deshydroxy 3-Keto Saxagliptin                                                                                                                            | VS-S006056 | 2173146-34-2 |
| 23190 | Saxagliptin Impurity 29                                                                                                                                    | VS-S006057 | N/A          |
| 23191 | Saxagliptin Impurity 30                                                                                                                                    | VS-S006058 | N/A          |
| 23192 | Saxagliptin Impurity 31                                                                                                                                    | VS-S006059 | N/A          |
| 23193 | Saxagliptin Impurity 32                                                                                                                                    | VS-S006060 | N/A          |
| 23194 | Saxagliptin Impurity 33                                                                                                                                    | VS-S006061 | 1564266-73-4 |
| 23195 | Saxagliptin Impurity 34                                                                                                                                    | VS-S006062 | N/A          |
| 23196 | Saxagliptin Impurity 35                                                                                                                                    | VS-S006063 | 1564266-70-1 |
| 23197 | Saxagliptin Impurity 36                                                                                                                                    | VS-S006064 | 1849427-12-8 |
| 23198 | Saxagliptin Impurity 37                                                                                                                                    | VS-S006065 | 1621530-36-6 |
| 23199 | Saxagliptin Impurity 38                                                                                                                                    | VS-S006066 | 709031-29-8  |
| 23200 | Saxagliptin n-Boc triflate                                                                                                                                 | VS-S006067 | 1194836-75-3 |
| 23201 | Saxagliptin R,R,R,R-isomer                                                                                                                                 | VS-S006068 | 1564265-95-7 |
| 23202 | Saxagliptin Impurity 39                                                                                                                                    | VS-S006069 | 361441-96-5  |
| 23203 | Scopolamine Hydrobromide                                                                                                                                   | VS-S007001 | 114-49-8     |
| 23204 | Hyoscine Butylbromide EP Impurity G                                                                                                                        | VS-S007002 | 92714-23-3   |
| 23205 | (-)-Scopolamine Hydrochloride                                                                                                                              | VS-S007003 | 55-16-3      |
| 23206 | Sebacic Acid                                                                                                                                               | VS-S008000 | 111-20-6     |
| 23207 | Secnidazole                                                                                                                                                | VS-S009000 | 3366-95-8    |
| 23208 | Secnidazole Formate                                                                                                                                        | VS-S009001 | N/A          |
| 23209 | Secnidazole 1-Propanol Analog                                                                                                                              | VS-S009002 | 56750-04-0   |
| 23210 | Secnidazole Isomer Formate                                                                                                                                 | VS-S009003 | N/A          |

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| 23211 | Selamectin                            | VS-S010000 | 220119-17-5  |
| 23212 | Selamectin EP Impurity A              | VS-S010001 | 165108-08-7  |
| 23213 | Selamectin EP Impurity B              | VS-S010002 | 165108-09-8  |
| 23214 | Selamectin EP Impurity C              | VS-S010003 | N/A          |
| 23215 | Selamectin EP Impurity D              | VS-S010004 | 301849-46-7  |
| 23216 | Selegiline                            | VS-S011000 | 14611-51-9   |
| 23217 | Selegiline EP Impurity A              | VS-S011001 | 02-10-32     |
| 23218 | Selegiline EP Impurity B              | VS-S011002 | 156-34-3     |
| 23219 | Selegiline EP Impurity C              | VS-S011003 | 73917-84-7   |
| 23220 | Selegiline EP Impurity D              | VS-S011004 | 56862-28-3   |
| 23221 | Selegiline EP Impurity E              | VS-S011005 | 4528-51-2    |
| 23222 | Selegiline EP Impurity G              | VS-S011006 | N/A          |
| 23223 | Selegiline Impurity 1                 | VS-S011007 | 2706-50-5    |
| 23224 | R-(-)-Deprenyl Hydrochloride          | VS-S011008 | 14611-52-0   |
| 23225 | Selexipag                             | VS-S012000 | 475086-01-2  |
| 23226 | Selexipag Acid                        | VS-S012001 | 475085-57-5  |
| 23227 | Selexipag Impurity A                  | VS-S012002 | 475086-75-0  |
| 23228 | Selexipag Impurity B                  | VS-S012003 | 18591-57-6   |
| 23229 | Selexipag Impurity C                  | VS-S012004 | 41270-66-0   |
| 23230 | Selexipag Impurity D                  | VS-S012005 | 475084-96-9  |
| 23231 | Selexipag Methyl Ester Impurity       | VS-S012006 | N/A          |
| 23232 | Selexipag acyl $\beta$ -D-Glucuronide | VS-S012007 | N/A          |
| 23233 | Selexipag Impurity 1                  | VS-S012008 | N/A          |
| 23234 | Selexipag Impurity 2                  | VS-S012009 | 2287345-22-4 |
| 23235 | Selexipag Impurity 4                  | VS-S012010 | N/A          |
| 23236 | Selexipag Impurity 5                  | VS-S012011 | 202658-88-6  |
| 23237 | Selexipag Impurity 6                  | VS-S012012 | 2514706-51-3 |
| 23238 | Selexipag Impurity 9                  | VS-S012013 | N/A          |
| 23239 | Selexipag Glycine Adduct 13C2,15N     | VS-S012014 | N/A          |
| 23240 | Selexipag Glycine Adduct              | VS-S012015 | N/A          |
| 23241 | Selinexor                             | VS-S013000 | 1393477-72-9 |
| 23242 | Senecionine                           | VS-S014000 | 130-01-8     |
| 23243 | Senecionine N-Oxide                   | VS-S014001 | 13268-67-2   |
| 23244 | Seneciphylline                        | VS-S015000 | 480-81-9     |
| 23245 | Seneciphylline N-Oxide                | VS-S015001 | 38710-26-8   |
| 23246 | Senecivernine                         | VS-S016000 | 72755-25-0   |
| 23247 | Senecivernine N-oxide                 | VS-S016001 | 101687-28-9  |
| 23248 | Senkirkine                            | VS-S017000 | 2318-18-5    |
| 23249 | Sennoside                             | VS-S018000 | 517-43-1     |
| 23250 | Sennoside A                           | VS-S018001 | 81-27-6      |
| 23251 | Sennoside B                           | VS-S018002 | 128-57-4     |
| 23252 | Serotonin                             | VS-S019000 | 50-67-9      |
| 23253 | N-Acetyl Serotonin                    | VS-S019001 | 1210-83-9    |
| 23254 | N,O-Diacetyl Serotonin                | VS-S019002 | 28026-16-6   |
| 23255 | Serotonin Impurity 1                  | VS-S019003 | 96735-08-9   |
| 23256 | Sertraline Hydrochloride              | VS-S020001 | 79559-97-0   |
| 23257 | Sertraline EP Impurity A              | VS-S020002 | 329009-20-3  |

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| 23258 | Sertraline Impurity A                          | VS-S020003 | 79617-99-5   |
| 23259 | Sertraline EP Impurity B                       | VS-S020004 | N/A          |
| 23260 | Sertraline EP Impurity C                       | VS-S020005 | 79559-98-1   |
| 23261 | Sertraline EP Impurity D ( HCl)                | VS-S020006 | N/A          |
| 23262 | Sertraline EP Impurity E                       | VS-S020007 | 611-71-2     |
| 23263 | Sertraline EP Impurity F                       | VS-S020008 | 155748-61-1  |
| 23264 | Sertraline EP Impurity G ( HCl)                | VS-S020009 | 79645-15-1   |
| 23265 | Sertraline N-Desmethyl Analog                  | VS-S020010 | 91797-57-8   |
| 23266 | Sertraline 2,3-Dichloro Isomer                 | VS-S020011 | 1198084-29-5 |
| 23267 | 2,3-Dichloro Tetralone Methanamine Racemate    | VS-S020012 | 340830-05-9  |
| 23268 | Sertraline 2,3-Dichloro Tetralone Racemate     | VS-S020013 | 152448-80-1  |
| 23269 | Sertraline 3-Deschloro Impurity                | VS-S020014 | 79646-00-7   |
| 23270 | Dideschloro Tetralone Methanamine Racemate     | VS-S020015 | 52789-19-2   |
| 23271 | Sertraline Dimethylamino Analog                | VS-S020016 | 79836-76-3   |
| 23272 | Sertraline Hydrochloride Racemic Mixture (USP) | VS-S020017 | 79617-89-3   |
| 23273 | Sertraline Tetralone Methanamine Racemate      | VS-S020018 | 79560-20-6   |
| 23274 | Sertraline Tetralone Racemate                  | VS-S020019 | 79560-19-3   |
| 23275 | (1R,4S)-Sertraline HCl                         | VS-S020020 | 79896-32-5   |
| 23276 | (1S,4R)-Sertraline HCl                         | VS-S020021 | 79896-31-4   |
| 23277 | (1R,4R)-Sertraline 4-Chlorophenyl Impurity HCl | VS-S020022 | 79617-90-6   |
| 23278 | Sertraline Oxime Impurity                      | VS-S020023 | 152642-35-8  |
| 23279 | Ethyl Sertraline                               | VS-S020024 | 2457246-16-9 |
| 23280 | Sertraline Dimethyl Impurity HCl               | VS-S020025 | N/A          |
| 23281 | 4-Chloro cis Racemic Mixture                   | VS-S020026 | N/A          |
| 23282 | Sertraline Phenyl Keto Intermediate            | VS-S020027 | 14578-68-8   |
| 23283 | 4-Chloro Sertraline Trans                      | VS-S020028 | N/A          |
| 23284 | Sertraline Cis isomer (Racemic)                | VS-S020029 | N/A          |
| 23285 | Sertraline Tetralone (S)-Isomer                | VS-S020030 | 124379-29-9  |
| 23286 | N-Desmethylsertraline                          | VS-S020031 | 918933-19-4  |
| 23287 | Sertraline Impurity 1                          | VS-S020032 | 866018-46-4  |
| 23288 | Sertraline Impurity 2                          | VS-S020033 | 1025955-11-6 |
| 23289 | Sertraline Impurity 3                          | VS-S020034 | 439134-46-0  |
| 23290 | Sertraline Impurity 4                          | VS-S020035 | 374777-87-4  |
| 23291 | Sertraline Impurity 5                          | VS-S020036 | 79836-45-6   |
| 23292 | Sertraline Impurity 6                          | VS-S020037 | 91797-60-3   |
| 23293 | Sertraline Impurity B                          | VS-S020038 | 52758-05-1   |
| 23294 | cis-Sertraline                                 | VS-S020039 | 79617-95-1   |
| 23295 | Sertraline                                     | VS-S020040 | 79617-96-2   |
| 23296 | N-Hydroxy Sertraline                           | VS-S020041 | 124345-07-9  |
| 23297 | Sertraline - Impurity C (Freebase)             | VS-S020042 | 107538-91-0  |
| 23298 | Sertraline Nitroso Impurity                    | VS-S020043 | NA           |
| 23299 | Sertraline EP Impurity D                       | VS-S020044 | 2378750-29-7 |
| 23300 | Sertraline EP Impurity G                       | VS-S020045 | 79617-98-4   |
| 23301 | N-Nitroso-Sertraline                           | VS-S020046 | NA           |
| 23302 | Sevoflurane                                    | VS-S021000 | 28523-86-6   |
| 23303 | Sevoflurane EP Impurity A                      | VS-S021001 | 58109-34-5   |
| 23304 | Sevoflurane EP Impurity B                      | VS-S021002 | 13171-18-1   |

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| 23305 | Sevoflurane EP Impurity C                     | VS-S021003 | 920-66-1     |
| 23306 | Sibutramine                                   | VS-S022000 | 106650-56-0  |
| 23307 | N-Desmethyl Sibutramine                       | VS-S022001 | 168835-59-4  |
| 23308 | N,N-Didesmethyl Sibutramine                   | VS-S022002 | 84467-54-9   |
| 23309 | N-Formyl N,N-Didesmethyl Sibutramine          | VS-S022003 | 84467-85-6   |
| 23310 | Benzyl Sibutramine                            | VS-S022004 | 1446140-91-5 |
| 23311 | Chloro-Sibutramine HCl                        | VS-S022005 | 766462-77-5  |
| 23312 | Homo Sibutramine                              | VS-S022006 | 935888-80-5  |
| 23313 | Sibutramine N-Oxide                           | VS-S022007 | N/A          |
| 23314 | Sibutramine Carbamic Acid Impurity 1          | VS-S022008 | N/A          |
| 23315 | (N,N-Didemethyl)-1-Hydroxy-Sibutramine        | VS-S022009 | 186521-83-5  |
| 23316 | Sibutramine Impurity E                        | VS-S022010 | 140-53-4     |
| 23317 | Sibutramine Impurity F                        | VS-S022011 | 28049-61-8   |
| 23318 | Sibutramine Impurity H                        | VS-S022012 | 59242-93-2   |
| 23319 | Sibutramine Impurity I                        | VS-S022013 | N/A          |
| 23320 | Sibutramine Impurity J                        | VS-S022014 | 186521-85-7  |
| 23321 | Sibutramine Hydrochloride Related Compound A  | VS-S022015 | N/A          |
| 23322 | Sibutramine Hydrochloride Related Compound B  | VS-S022016 | N/A          |
| 23323 | Sibutramine Hydrochloride Related Compound C  | VS-S022017 | N/A          |
| 23324 | Sibutramine Hydrochloride Related Compound D  | VS-S022018 | 84467-94-7   |
| 23325 | Sibutramine Related Compound 1                | VS-S022019 | 861676-42-8  |
| 23326 | Sibutramine Impurity 1                        | VS-S022020 | 2518198-74-6 |
| 23327 | Sibutramine Impurity 2                        | VS-S022021 | N/A          |
| 23328 | Sibutramine Impurity 3                        | VS-S022022 | 84467-55-0   |
| 23329 | Sibutramine Hydrochloride Monohydrate         | VS-S022023 | 125494-59-9  |
| 23330 | Sildenafil                                    | VS-S023000 | 139755-83-2  |
| 23331 | Sildenafil EP Impurity A                      | VS-S023001 | 1391053-95-4 |
| 23332 | Sildenafil EP Impurity B                      | VS-S023002 | 1094598-75-0 |
| 23333 | Sildenafil Impurity B                         | VS-S023003 | 200575-15-1  |
| 23334 | Sildenafil EP Impurity C                      | VS-S023004 | 139755-91-2  |
| 23335 | Sildenafil Impurity C                         | VS-S023005 | 139755-95-6  |
| 23336 | Sildenafil EP Impurity D                      | VS-S023006 | 1357931-55-5 |
| 23337 | Sildenafil EP Impurity E                      | VS-S023007 | 288-32-4     |
| 23338 | Sildenafil EP Impurity F                      | VS-S023008 | 139755-82-1  |
| 23339 | Sildenafil EP Impurity G                      | VS-S023009 | 1346602-67-2 |
| 23340 | 2-Ethoxybenzoyl Chloride Impurity             | VS-S023010 | 42926-52-3   |
| 23341 | Sildenafil Amino Amide Impurity               | VS-S023011 | 139756-02-8  |
| 23342 | Sildenafil Carboxylic Acid Impurity           | VS-S023012 | 147676-78-6  |
| 23343 | Sildenafil Chloroacetyl Impurity              | VS-S023013 | 1058653-74-9 |
| 23344 | Chlorosulfone 2-Methyl Isomer                 | VS-S023014 | 501120-42-9  |
| 23345 | Sildenafil Chlorosulfone Impurity             | VS-S023015 | 139756-22-2  |
| 23346 | Chlorosulfone O-Desethyl Impurit              | VS-S023016 | 139756-27-7  |
| 23347 | Des(methylpiperazinyl) Chlorosulfone Impurity | VS-S023017 | 139756-31-3  |
| 23348 | Sildenafil Descarbon Impurity                 | VS-S023018 | 1393816-99-3 |
| 23349 | Sildenafil Di-Amide Impurity                  | VS-S023019 | 139756-03-9  |
| 23350 | Isobutylpyrazolopyrimidine Impurity           | VS-S023020 | 1346600-82-5 |
| 23351 | Sildenafil Lactam Impurity                    | VS-S023021 | 139756-21-1  |

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| 23352 | Sildenafil N-Desmethyl Thione Impurity     | VS-S023022 | 479073-86-4  |
| 23353 | Iso Sildenafil                             | VS-S023023 | 253178-46-0  |
| 23354 | Sildenafil Acid Impurity                   | VS-S023024 | 139756-00-6  |
| 23355 | Sildenafil Nitroamide                      | VS-S023025 | 139756-01-7  |
| 23356 | 2-ethoxybenzoic acid                       | VS-S023026 | 134-11-2     |
| 23357 | Sildenafil Methyl Sulfonate Ester Impurity | VS-S023027 | 2512206-40-3 |
| 23358 | Amino Sildenafil                           | VS-S023028 | 319491-68-4  |
| 23359 | Sildenafil Citrate                         | VS-S023029 | 171599-83-0  |
| 23360 | N-Desmethyl Sildenafil-N-β-D-Glucuronide   | VS-S023030 | N/A          |
| 23361 | Sildenafil Impurity 1                      | VS-S023031 | 501120-38-3  |
| 23362 | Sildenafil Impurity 2                      | VS-S023032 | 1004455-71-3 |
| 23363 | Sildenafil Impurity 3                      | VS-S023033 | 1467610-65-6 |
| 23364 | Sildenafil Impurity 4                      | VS-S023034 | 911715-34-9  |
| 23365 | Sildenafil Impurity 5                      | VS-S023035 | 247583-78-4  |
| 23366 | Sildenafil Impurity 6                      | VS-S023036 | 268204-00-8  |
| 23367 | Sildenafil Impurity 7                      | VS-S023037 | 247583-72-8  |
| 23368 | Sildenafil Impurity 8                      | VS-S023038 | 139755-98-9  |
| 23369 | Sildenafil Impurity 9                      | VS-S023039 | N/A          |
| 23370 | Homo Sildenafil                            | VS-S023040 | 642928-07-2  |
| 23371 | Sildenafil D8                              | VS-S023041 | 951385-68-5  |
| 23372 | Silibinin                                  | VS-S024000 | 22888-70-6   |
| 23373 | Silybin B                                  | VS-S024001 | 142797-34-0  |
| 23374 | Isosilybin A                               | VS-S024002 | 142796-21-2  |
| 23375 | Isosilybin B                               | VS-S024003 | 142796-22-3  |
| 23376 | Silychristin                               | VS-S024004 | 33889-69-9   |
| 23377 | Dehydrosilybin                             | VS-S024005 | 25166-14-7   |
| 23378 | Silodosin                                  | VS-S025000 | 160970-54-7  |
| 23379 | Silodosin Carboxylic Acid Impurity         | VS-S025001 | 1357252-79-9 |
| 23380 | Silodosin Nitrile Impurity                 | VS-S025002 | 885340-13-6  |
| 23381 | Silodosin (S)-Isomer                       | VS-S025003 | 2182279-45-2 |
| 23382 | Silodosin Dehydro Impurity                 | VS-S025004 | 175870-21-0  |
| 23383 | Silodosin Dimer Impurity                   | VS-S025005 | 1453221-45-8 |
| 23384 | Silodosin Related Impurity                 | VS-S025006 | 1338365-54-0 |
| 23385 | rac-Silodosin                              | VS-S025007 | 160970-64-9  |
| 23386 | Silodosin Glucuronide                      | VS-S025008 | 879396-70-0  |
| 23387 | Silodosin Metabolite                       | VS-S025009 | 2052161-52-9 |
| 23388 | Silodosin N-Oxide                          | VS-S025010 | N/A          |
| 23389 | Silodosin Keto Impurity                    | VS-S025011 | 350797-57-8  |
| 23390 | Dimer Impurity of Silodosin Stage-I        | VS-S025012 | 885340-14-7  |
| 23391 | Racemic Stage I of Silodosin (Oxalate)     | VS-S025013 | N/A          |
| 23392 | Silodosin Carboxylic Acid Impurity 2       | VS-S025014 | 1431373-77-1 |
| 23393 | Silodosin Stage-I Impurity                 | VS-S025015 | 1771736-90-3 |
| 23394 | Benzyl amine Silodosin                     | VS-S025016 | N/A          |
| 23395 | Benzyl Silodosin                           | VS-S025017 | 175870-40-3  |
| 23396 | Silodosin Acetamide Impurity               | VS-S025018 | N/A          |
| 23397 | Racemic Stage I of Silodosin               | VS-S025019 | 1808278-26-3 |
| 23398 | Silodosin KSM I Carbonitrile Impurity 1    | VS-S025020 | 1401991-17-0 |

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| 23399 | Silodosin KSM I Carbonitrile Impurity 2                                                                                | VS-S025021 | 2034998-44-0 |
| 23400 | Silodosin Impurity 1                                                                                                   | VS-S025022 | 1889255-72-4 |
| 23401 | Silodosin Impurity 3                                                                                                   | VS-S025023 | N/A          |
| 23402 | Silodosin Impurity 5                                                                                                   | VS-S025024 | N/A          |
| 23403 | Silodosin Impurity 6                                                                                                   | VS-S025025 | N/A          |
| 23404 | Silodosin Impurity 7                                                                                                   | VS-S025026 | 1638212-09-5 |
| 23405 | Silodosin Impurity 8                                                                                                   | VS-S025027 | N/A          |
| 23406 | Silodosin Impurity 9                                                                                                   | VS-S025028 | 239463-74-2  |
| 23407 | Silodosin Impurity 10                                                                                                  | VS-S025029 | N/A          |
| 23408 | Silodosin Impurity 11                                                                                                  | VS-S025030 | N/A          |
| 23409 | Silodosin Impurity 12                                                                                                  | VS-S025031 | N/A          |
| 23410 | Silodosin Impurity 13                                                                                                  | VS-S025032 | 885340-11-4  |
| 23411 | Silodosin Impurity 14                                                                                                  | VS-S025033 | 1453221-47-0 |
| 23412 | Silodosin Impurity 15                                                                                                  | VS-S025034 | 2052161-47-2 |
| 23413 | Silodosin Impurity 16                                                                                                  | VS-S025035 | 169506-15-4  |
| 23414 | Silodosin Impurity 17                                                                                                  | VS-S025036 | 160969-02-8  |
| 23415 | Silodosin Impurity 18                                                                                                  | VS-S025037 | N/A          |
| 23416 | Silodosin Impurity 19                                                                                                  | VS-S025038 | 160969-03-9  |
| 23417 | Silodosin Impurity 20                                                                                                  | VS-S025039 | 1375180-28-1 |
| 23418 | Silodosin Impurity 21                                                                                                  | VS-S025040 | 1375180-30-5 |
| 23419 | Silodosin Impurity 22                                                                                                  | VS-S025041 | 2052288-68-1 |
| 23420 | 5-[(2R)-2-Aminopropyl]-1-[3-(benzoyloxy)propyl]-2,3-dihydro-1H-indole-7-carbonitrile (2R,3R)-2,3-Dihydroxybutanedioate | VS-S025042 | 239463-85-5  |
| 23421 | N-Nitroso-Silodosin                                                                                                    | VS-S025043 | NA           |
| 23422 | N-Nitroso Silodosin Nitrile Impurity                                                                                   | VS-S025044 | NA           |
| 23423 | Simethicone                                                                                                            | VS-S026000 | 8050-81-5    |
| 23424 | Simethicone Impurity 1                                                                                                 | VS-S026001 | 1066-42-8    |
| 23425 | Simethicone Impurity 2                                                                                                 | VS-S026002 | 1118-15-6    |
| 23426 | Simethicone Impurity 3                                                                                                 | VS-S026003 | 3663-50-1    |
| 23427 | Simethicone Impurity 4                                                                                                 | VS-S026004 | 3081-07-0    |
| 23428 | Simethicone Impurity 5                                                                                                 | VS-S026005 | 7445-36-5    |
| 23429 | Simvastatin                                                                                                            | VS-S027000 | 79902-63-9   |
| 23430 | Simvastatin EP Impurity A (Sodium Salt)                                                                                | VS-S027001 | 101314-97-0  |
| 23431 | Simvastatin EP Impurity B                                                                                              | VS-S027002 | 145576-25-6  |
| 23432 | Simvastatin EP Impurity C                                                                                              | VS-S027003 | 210980-68-0  |
| 23433 | Simvastatin EP Impurity D                                                                                              | VS-S027004 | 476305-24-5  |
| 23434 | Simvastatin EP Impurity E                                                                                              | VS-S027005 | 75330-75-5   |
| 23435 | Simvastatin EP Impurity F                                                                                              | VS-S027006 | 79952-44-6   |
| 23436 | Simvastatin EP Impurity G                                                                                              | VS-S027007 | 1449248-72-9 |
| 23437 | Simvastatin EP Impurity H                                                                                              | VS-S027008 | 79952-42-4   |
| 23438 | Simvastatin EP Impurity I                                                                                              | VS-S027009 | 79902-42-4   |
| 23439 | Simvastatin EP Impurity J                                                                                              | VS-S027010 | 864357-88-0  |
| 23440 | Simvastatin EP Impurity M                                                                                              | VS-S027011 | 864357-87-9  |
| 23441 | Simvastatin EP Impurity N                                                                                              | VS-S027012 | 774611-54-0  |
| 23442 | Simvastatin EP Impurity K                                                                                              | VS-S027013 | N/A          |
| 23443 | Simvastatin 6-Oxo Isomer                                                                                               | VS-S027014 | 130468-11-0  |
| 23444 | Simvastatin Anhydro Acid Sodium Salt                                                                                   | VS-S027015 | 393825-04-2  |

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| 23445 | Simvastatin Acid Ammonium Salt            | VS-S027016 | 139893-43-9  |
| 23446 | Simvastatin beta-Hydroxy Acid Sodium Salt | VS-S027017 | N/A          |
| 23447 | Simvastatin Acid Glycerol Ester           | VS-S027018 | N/A          |
| 23448 | Simvastatin Methyl Ester impurity         | VS-S027019 | 145576-26-7  |
| 23449 | Simvastatin Acid Triol Sodium Salt        | VS-S027020 | 132294-94-1  |
| 23450 | Simvastatin beta-Hydroxy Impurity         | VS-S027021 | 126313-98-2  |
| 23451 | Simvastatin Dihydro Diol Impurity         | VS-S027022 | 159143-77-8  |
| 23452 | 3',5'-Dihydrodiol Simvastatin             | VS-S027023 | 198818-02-9  |
| 23453 | 4 $\alpha$ ,5-Dihydro Simvastatin         | VS-S027024 | 92083-03-9   |
| 23454 | Oxo Simvastatin                           | VS-S027025 | 1426939-44-7 |
| 23455 | Simvastatin Impurity 1                    | VS-S027026 | 126453-95-0  |
| 23456 | Simvastatin Impurity 2                    | VS-S027027 | N/A          |
| 23457 | Simvastatin Impurity 3                    | VS-S027028 | 1253965-61-5 |
| 23458 | Simvastatin Impurity 4                    | VS-S027029 | N/A          |
| 23459 | Simvastatin hydroxy acid                  | VS-S027030 | 121009-77-6  |
| 23460 | Siponimod                                 | VS-S028000 | 1230487-00-9 |
| 23461 | Siponimod Alcohol Impurity                | VS-S028001 | 1418144-66-7 |
| 23462 | Siponimod Aldehyde Impurity               | VS-S028002 | 1230487-01-0 |
| 23463 | Siponimod Fumaric Acid Impurity           | VS-S028003 | 110-17-8     |
| 23464 | Siponimod Impurity 1                      | VS-S028004 | N/A          |
| 23465 | Siponimod Impurity 2                      | VS-S028005 | N/A          |
| 23466 | Siponimod Impurity 3                      | VS-S028006 | N/A          |
| 23467 | Siponimod Impurity 4                      | VS-S028007 | N/A          |
| 23468 | Siponimod Impurity 5                      | VS-S028008 | N/A          |
| 23469 | Siponimod Impurity 6                      | VS-S028009 | N/A          |
| 23470 | Siponimod Impurity 7                      | VS-S028010 | N/A          |
| 23471 | Siponimod Impurity 8                      | VS-S028011 | N/A          |
| 23472 | Siponimod Impurity 9                      | VS-S028012 | N/A          |
| 23473 | Siponimod Impurity 10                     | VS-S028013 | N/A          |
| 23474 | Siponimod Impurity 11                     | VS-S028014 | N/A          |
| 23475 | Siponimod Impurity 12                     | VS-S028015 | N/A          |
| 23476 | Siponimod Impurity 13                     | VS-S028016 | N/A          |
| 23477 | Siponimod Impurity 14                     | VS-S028017 | N/A          |
| 23478 | Siponimod Impurity 15                     | VS-S028018 | N/A          |
| 23479 | Siponimod Impurity 16                     | VS-S028019 | N/A          |
| 23480 | Siponimod Impurity 17                     | VS-S028020 | 1824308-84-0 |
| 23481 | Siponimod Impurity 18                     | VS-S028021 | 1484079-83-5 |
| 23482 | Siponimod Impurity 19                     | VS-S028022 | 2247350-72-5 |
| 23483 | Siponimod Impurity 28                     | VS-S028023 | 800379-62-8  |
| 23484 | Siponimod Impurity 29                     | VS-S028024 | 2746387-14-2 |
| 23485 | Siponimod Impurity 30                     | VS-S028025 | 1378888-43-7 |
| 23486 | Siponimod Amine Dimer                     | VS-S028026 | N/A          |
| 23487 | Siponimod Hydroxy                         | VS-S028027 | N/A          |
| 23488 | Siponimod Olefine                         | VS-S028028 | N/A          |
| 23489 | Siponimod Hydroxy Dimer                   | VS-S028029 | N/A          |
| 23490 | Siponimod Olefine Nitroso                 | VS-S028030 | N/A          |
| 23491 | Siponimod Impurity 31                     | VS-S028031 | N/A          |



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| 23492 | Siponimod Impurity 32                                         | VS-S028032 | N/A          |
| 23493 | Siponimod Impurity 33                                         | VS-S028033 | N/A          |
| 23494 | Siponimod Impurity 34                                         | VS-S028034 | N/A          |
| 23495 | Siponimod Dimer Impurity                                      | VS-S028035 | N/A          |
| 23496 | Siponimod Impurity 35                                         | VS-S028036 | N/A          |
| 23497 | Siponimod Impurity 36                                         | VS-S028037 | 2474774-17-7 |
| 23498 | Siponimod Z Isomer                                            | VS-S028038 | 2768181-14-0 |
| 23499 | Sisomicin Sulfate                                             | VS-S029000 | 53179-09-2   |
| 23500 | Sitagliptin Hydrochloride                                     | VS-S030001 | 486459-71-6  |
| 23501 | Sitagliptin EP Impurity A                                     | VS-S030002 | 823817-55-6  |
| 23502 | Sitagliptin FP Impurity A                                     | VS-S030003 | 2088771-60-0 |
| 23503 | Sitagliptin EP Impurity B                                     | VS-S030004 | 486460-31-5  |
| 23504 | Sitagliptin FP Impurity B                                     | VS-S030005 | 2088771-61-1 |
| 23505 | Sitagliptin Impurity B                                        | VS-S030006 | N/A          |
| 23506 | Sitagliptin Phosphate EP Impurity B                           | VS-S030007 | 1345822-87-8 |
| 23507 | Sitagliptin EP Impurity C                                     | VS-S030008 | 945261-48-3  |
| 23508 | Sitagliptin FP Impurity C                                     | VS-S030009 | 1803026-58-5 |
| 23509 | Sitagliptin Phosphate EP Impurity C                           | VS-S030010 | 1345822-86-7 |
| 23510 | Sitagliptin FP Impurity D                                     | VS-S030011 | 1253056-18-6 |
| 23511 | Sitagliptin Impurity E HCl (Sitagliptin S-Isomer HCl)         | VS-S030012 | N/A          |
| 23512 | Sitagliptin FP Impurity E (HCl)                               | VS-S030013 | 1204818-19-8 |
| 23513 | Sitagliptin Impurity F                                        | VS-S030014 | 1608491-98-0 |
| 23514 | Sitagliptin Impurity G                                        | VS-S030015 | 269396-59-0  |
| 23515 | Sitagliptin Impurity H HCl                                    | VS-S030016 | N/A          |
| 23516 | Sitagliptin Impurity M                                        | VS-S030017 | 218608-98-1  |
| 23517 | Sitagliptin Impurity N                                        | VS-S030018 | 2409985-39-1 |
| 23518 | Sitagliptin Related Compound N                                | VS-S030019 | N/A          |
| 23519 | Sitagliptin Impurity O                                        | VS-S030020 | 2072867-07-1 |
| 23520 | Sitagliptin Related Compound O                                | VS-S030021 | N/A          |
| 23521 | Sitagliptin Impurity P HCl                                    | VS-S030022 | N/A          |
| 23522 | Sitagliptin 2-Desfluoro Impurity                              | VS-S030023 | 486459-88-5  |
| 23523 | Sitagliptin Desfluorobenzene Analog                           | VS-S030024 | N/A          |
| 23524 | Sitagliptin Enamine Impurity                                  | VS-S030025 | 767340-03-4  |
| 23525 | Sitagliptin Hydroxy Amide Impurity                            | VS-S030026 | 1253056-01-7 |
| 23526 | Sitagliptin Ketoamide Impurity                                | VS-S030027 | 764667-65-4  |
| 23527 | Sitagliptin N-Acetyl Impurity                                 | VS-S030028 | 1379666-94-0 |
| 23528 | Sitagliptin Triazole Hydrochloride                            | VS-S030029 | 762240-92-6  |
| 23529 | Sitagliptin-N-sulfate                                         | VS-S030030 | 940002-57-3  |
| 23530 | Sitagliptin Carbamoyl Glucuronide                             | VS-S030031 | N/A          |
| 23531 | Sitagliptin Phosphate Monohydrate                             | VS-S030032 | 654671-77-9  |
| 23532 | Sitagliptin Impurity 18 (Sitagliptin N-Boc Impurity)          | VS-S030033 | 486460-23-5  |
| 23533 | Sitagliptin Impurity 19 ((R)-Sitagliptin N-Boc-Acid Impurity) | VS-S030034 | 486460-00-8  |
| 23534 | (S)-Sitagliptin N-Boc-Acid Impurity                           | VS-S030035 | 922178-94-7  |
| 23535 | (R)-Sitagliptin N-Boc-Methyl-Ester Impurity                   | VS-S030036 | 881995-73-9  |
| 23536 | (R)-Sitagliptin Methyl-Ester Impurity Hydrochloride Salt      | VS-S030037 | 1374985-05-3 |
| 23537 | Sitagliptin N-Phoshate Impurity                               | VS-S030038 | N/A          |
| 23538 | Sitagliptin Desfluoro Impurity HCl                            | VS-S030039 | N/A          |

|       |                                                                                   |            |              |
|-------|-----------------------------------------------------------------------------------|------------|--------------|
| 23539 | Sitagliptin Related Compound 1                                                    | VS-S030040 | 331763-66-7  |
| 23540 | Sitagliptin Related Compound (1-(4-Methylphenyl)-4,4,4-Trifluorobutano-1,3-dione) | VS-S030041 | 720-94-5     |
| 23541 | Sitagliptin Diamide Impurity                                                      | VS-S030042 | N/A          |
| 23542 | Sitagliptin Enamine Amide Impurity                                                | VS-S030043 | N/A          |
| 23543 | Dioxo Impurity                                                                    | VS-S030044 | 764667-64-3  |
| 23544 | 2,4 Difluoro Phenyl Acetic Acid                                                   | VS-S030045 | 81228-09-3   |
| 23545 | 3,4 Difluoro Phenyl Acetic Acid                                                   | VS-S030046 | 658-93-5     |
| 23546 | 2-(2,5-difluorophenyl)acetic acid                                                 | VS-S030047 | 85068-27-5   |
| 23547 | Sitagliptin Racemate                                                              | VS-S030048 | 823817-56-7  |
| 23548 | Sitagliptin Imidazole Derivative                                                  | VS-S030049 | 1364122-90-6 |
| 23549 | N-Acetyl Sitagliptin                                                              | VS-S030050 | N/A          |
| 23550 | Sitagliptin Mixture                                                               | VS-S030051 | N/A          |
| 23551 | Sitagliptin Hydrochloride Hydrate                                                 | VS-S030052 | 862156-92-1  |
| 23552 | Sitagliptin Defluoro Impurity 1                                                   | VS-S030053 | N/A          |
| 23553 | Sitagliptin Defluoro Impurity 2                                                   | VS-S030054 | N/A          |
| 23554 | Sitagliptin Defluoro Impurity 3                                                   | VS-S030055 | 851307-12-5  |
| 23555 | Sitagliptin Defluoro Impurity 4                                                   | VS-S030056 | 1271773-97-7 |
| 23556 | Sitagliptin Impurity 4                                                            | VS-S030057 | N/A          |
| 23557 | Sitagliptin Impurity 6                                                            | VS-S030058 | N/A          |
| 23558 | Sitagliptin Impurity 7                                                            | VS-S030059 | N/A          |
| 23559 | Sitagliptin Impurity 8                                                            | VS-S030060 | N/A          |
| 23560 | Sitagliptin Impurity 9                                                            | VS-S030061 | 1234321-81-3 |
| 23561 | Sitagliptin impurity 10                                                           | VS-S030062 | 837430-15-6  |
| 23562 | Sitagliptin impurity 11                                                           | VS-S030063 | 764667-63-2  |
| 23563 | Sitagliptin Impurity 12                                                           | VS-S030064 | 1234321-83-5 |
| 23564 | Sitagliptin Impurity 14                                                           | VS-S030065 | 1151240-91-3 |
| 23565 | Sitagliptin Impurity 15                                                           | VS-S030066 | N/A          |
| 23566 | Sitagliptin Impurity 16                                                           | VS-S030067 | 769195-20-2  |
| 23567 | Sitagliptin Impurity 17 HCl                                                       | VS-S030068 | N/A          |
| 23568 | Sitagliptin Impurity 18                                                           | VS-S030069 | N/A          |
| 23569 | Sitagliptin Impurity 20                                                           | VS-S030070 | 218609-00-8  |
| 23570 | Sitagliptin Impurity 21                                                           | VS-S030071 | 101555-61-7  |
| 23571 | Sitagliptin Impurity 22                                                           | VS-S030072 | 945261-50-7  |
| 23572 | Sitagliptin Impurity 23                                                           | VS-S030073 | N/A          |
| 23573 | Sitagliptin Impurity 24                                                           | VS-S030074 | 910409-20-0  |
| 23574 | Sitagliptin Impurity 25                                                           | VS-S030075 | 763105-70-0  |
| 23575 | Sitagliptin Impurity 26                                                           | VS-S030076 | 723286-98-4  |
| 23576 | Sitagliptin Impurity 27                                                           | VS-S030077 | 762240-99-3  |
| 23577 | Sitagliptin Impurity 28                                                           | VS-S030078 | 1283583-85-6 |
| 23578 | Sitagliptin Impurity 29                                                           | VS-S030079 | 209995-38-0  |
| 23579 | Sitagliptin Impurity 30                                                           | VS-S030080 | 769195-26-8  |
| 23580 | Sitagliptin Impurity 31                                                           | VS-S030081 | 881995-70-6  |
| 23581 | Sitagliptin Impurity 32                                                           | VS-S030082 | 945261-49-4  |
| 23582 | Sitagliptin Impurity 33                                                           | VS-S030083 | 823817-58-9  |
| 23583 | Sitagliptin Impurity 34                                                           | VS-S030084 | 88419-56-1   |
| 23584 | Sitagliptin Impurity 35                                                           | VS-S030085 | 220141-74-2  |

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|-------|-----------------------------------------------------------|------------|--------------|
| 23585 | Sitagliptin Impurity 36                                   | VS-S030086 | 502-97-6     |
| 23586 | Sitagliptin Impurity 37                                   | VS-S030087 | 383-63-1     |
| 23587 | Sitagliptin Impurity 38                                   | VS-S030088 | 877402-45-4  |
| 23588 | Sitagliptin Impurity 39                                   | VS-S030089 | 2379621-81-3 |
| 23589 | Sitagliptin Impurity 40                                   | VS-S030090 | 1459759-18-2 |
| 23590 | Sitagliptin Impurity 41                                   | VS-S030091 | 486459-98-7  |
| 23591 | Sitagliptin Impurity 42                                   | VS-S030092 | N/A          |
| 23592 | Sitagliptin Impurity 43                                   | VS-S030093 | 1334244-32-4 |
| 23593 | Sitagliptin Impurity 44                                   | VS-S030094 | 1334244-28-8 |
| 23594 | Sitagliptin Impurity 45                                   | VS-S030095 | N/A          |
| 23595 | Sitagliptin Impurity 46                                   | VS-S030096 | 1351498-23-1 |
| 23596 | Sitagliptin Impurity 47                                   | VS-S030097 | N/A          |
| 23597 | Sitagliptin Impurity 48                                   | VS-S030098 | N/A          |
| 23598 | Sitagliptin Impurity 49                                   | VS-S030099 | 849832-73-1  |
| 23599 | Sitagliptin Impurity 50                                   | VS-S030100 | N/A          |
| 23600 | Sitagliptin Impurity 51                                   | VS-S030101 | 1803026-54-1 |
| 23601 | Sitagliptin Impurity 52                                   | VS-S030102 | N/A          |
| 23602 | Sitagliptin Impurity 53                                   | VS-S030103 | N/A          |
| 23603 | Sitagliptin Impurity 54                                   | VS-S030104 | 1485732-85-1 |
| 23604 | Sitagliptin Impurity 55                                   | VS-S030105 | 1512811-20-9 |
| 23605 | Sitagliptin Impurity 56                                   | VS-S030106 | 3914-42-9    |
| 23606 | Sitagliptin Impurity 57                                   | VS-S030107 | 541540-90-3  |
| 23607 | Sitagliptin Impurity 58                                   | VS-S030108 | 1036648-53-9 |
| 23608 | Sitagliptin Impurity 59                                   | VS-S030109 | 89124-06-1   |
| 23609 | Sitagliptin Phosphate                                     | VS-S030110 | 654671-78-0  |
| 23610 | Sitagliptin Acid Impurity                                 | VS-S030111 | 936630-57-8  |
| 23611 | Sitagliptin Triazine Analog Impurity                      | VS-S030112 | 2805078-75-3 |
| 23612 | Sitagliptin                                               | VS-S030113 | 486460-32-6  |
| 23613 | Sitagliptin impurity 5                                    | VS-S030115 | 1879926-11-0 |
| 23614 | N-Nitroso Sitagliptin Impurity                            | VS-S030116 | 2892260-32-9 |
| 23615 | 2,2-dimethyl-5-(1-methylethylidene)-1,3-dioxane-4,6-dione | VS-S030117 | 2231-66-5    |
| 23616 | Sitagliptin impurity H                                    | VS-S030118 | 1334244-24-4 |
| 23617 | Trifluoroacetic Acid Hydrazide                            | VS-S030119 | 1538-08-5    |
| 23618 | 1-(chloromethyl)-2,4,5-trifluorobenzene                   | VS-S030120 | 243139-71-1  |
| 23619 | 1,2,4-trifluorobenzene                                    | VS-S030121 | 367-23-7     |
| 23620 | Sitagliptin FP Impurity E                                 | VS-S030122 | 936630-57-8  |
| 23621 | Sitagliptin Nitroso impurity                              | VS-S030123 | NA           |
| 23622 | Sitagliptin Impurity 60                                   | VS-S030124 | NA           |
| 23623 | Sitagliptin HCl monohydrate (S-isomer)                    | VS-S030125 | NA           |
| 23624 | sitagliptin phosphate racemic                             | VS-S030126 | NA           |
| 23625 | Sitagliptin Impurity 61                                   | VS-S030127 | NA           |
| 23626 | (R)-Sitagliptin Methyl-Ester Impurity                     | VS-S030128 | 881995-69-3  |
| 23627 | Sitagliptin amine HCl standard                            | VS-S030129 | 936630-57-8  |
| 23628 | Sitagliptin D6                                            | VS-S030130 | 1133211-99-0 |
| 23629 | Sitagliptin Impurity 62                                   | VS-S030131 | NA           |
| 23630 | Sitagliptin Impurity 63                                   | VS-S030132 | 1253056-15-3 |
| 23631 | Sitagliptin Impurity 64                                   | VS-S030133 | 1246961-45-4 |

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|-------|-----------------------------------------------------|------------|--------------|
| 23632 | Sitagliptin Impurity 65                             | VS-S030134 | 1964462-19-8 |
| 23633 | Sitagliptin Nitroso Impurity-D4                     | VS-S030135 | NA           |
| 23634 | N-Nitroso Sitagliptin FP Impurity A                 | VS-S030136 | NA           |
| 23635 | Sofosbuvir                                          | VS-S031000 | 1190307-88-0 |
| 23636 | Sofosbuvir Acid                                     | VS-S031001 | 1859162-79-0 |
| 23637 | Sofosbuvir alpha-Isomer                             | VS-S031002 | N/A          |
| 23638 | 2(R)-Methyl Sofosbuvir                              | VS-S031003 | 1496552-28-3 |
| 23639 | O-Desphenyl Sofosbuvir                              | VS-S031004 | 1233335-82-4 |
| 23640 | RP-Isomer of Sofosbuvir                             | VS-S031005 | 1190308-01-0 |
| 23641 | 2'-S-Fluoro Sofosbuvir                              | VS-S031006 | 1987957-28-7 |
| 23642 | Sofosbuvir 3'-O-Phosphoramidate                     | VS-S031007 | 1337482-15-1 |
| 23643 | Sofosbuvir 3',5'-Bis-O-Phosphoramidate              | VS-S031008 | 1337482-17-3 |
| 23644 | 2'-S-Fluoro Sofosbuvir alpha-Isomer                 | VS-S031009 | N/A          |
| 23645 | 2(R)-Methyl Sofosbuvir alpha-Isomer                 | VS-S031010 | 1064684-71-4 |
| 23646 | Sofosbuvir 3',5'-Bis-O-Phosphoramidate alpha-Isomer | VS-S031011 | N/A          |
| 23647 | Sofosbuvir 3'-O-Phosphoramidate alpha-Isomer        | VS-S031012 | N/A          |
| 23648 | 2'-Hydroxy Sofosbuvir                               | VS-S031013 | N/A          |
| 23649 | 2'-Keto Sofosbuvir                                  | VS-S031014 | N/A          |
| 23650 | 2'-Alkene Sofosbuvir                                | VS-S031015 | 2095551-20-3 |
| 23651 | Sofosbuvir Chloro Analog                            | VS-S031016 | 1496552-51-2 |
| 23652 | 3'-Beta Sofosbuvir                                  | VS-S031017 | N/A          |
| 23653 | 3'-Beta Sofosbuvir alpha-Isomer                     | VS-S031018 | N/A          |
| 23654 | Propyl Sofosbuvir analog                            | VS-S031019 | 2190510-86-0 |
| 23655 | Ethyl Sofosbuvir analog                             | VS-S031020 | 2164516-85-0 |
| 23656 | 2',3'-Beta Sofosbuvir                               | VS-S031021 | N/A          |
| 23657 | 2',3'-Beta Sofosbuvir alpha-Isomer                  | VS-S031022 | N/A          |
| 23658 | Sofosbuvir Impurity SF2                             | VS-S031023 | 1394157-34-6 |
| 23659 | Sofosbuvir Impurity S1                              | VS-S031024 | 1337529-56-2 |
| 23660 | Sofosbuvir Impurity 1                               | VS-S031025 | 879551-04-9  |
| 23661 | Sofosbuvir Impurity 2                               | VS-S031026 | 874638-80-9  |
| 23662 | Sofosbuvir Impurity 3                               | VS-S031027 | 1884385-12-9 |
| 23663 | Sofosbuvir Impurity 4                               | VS-S031028 | 1621160-31-3 |
| 23664 | Sofosbuvir Impurity 5                               | VS-S031029 | 817204-32-3  |
| 23665 | Sofosbuvir Impurity 6                               | VS-S031030 | 874638-94-5  |
| 23666 | Sofosbuvir Impurity 7                               | VS-S031031 | N/A          |
| 23667 | Sofosbuvir Impurity 8                               | VS-S031032 | N/A          |
| 23668 | Sofosbuvir Impurity 9                               | VS-S031033 | 863329-65-1  |
| 23669 | Sofosbuvir Impurity 10                              | VS-S031034 | N/A          |
| 23670 | Sofosbuvir Impurity 11                              | VS-S031035 | N/A          |
| 23671 | Sofosbuvir Impurity 12                              | VS-S031036 | 2041584-99-8 |
| 23672 | Sofosbuvir Impurity 13                              | VS-S031037 | 1040882-61-8 |
| 23673 | Sofosbuvir Impurity 15                              | VS-S031038 | N/A          |
| 23674 | Sofosbuvir Impurity 16                              | VS-S031039 | N/A          |
| 23675 | Sofosbuvir Impurity 17                              | VS-S031040 | N/A          |
| 23676 | Sofosbuvir Impurity 18                              | VS-S031041 | N/A          |
| 23677 | Sofosbuvir Impurity 19                              | VS-S031042 | N/A          |
| 23678 | Sofosbuvir Impurity 20                              | VS-S031043 | N/A          |

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| 23679 | Sofosbuvir Impurity 21 | VS-S031044 | N/A          |
| 23680 | Sofosbuvir Impurity 22 | VS-S031045 | N/A          |
| 23681 | Sofosbuvir Impurity 23 | VS-S031046 | 1987950-05-9 |
| 23682 | Sofosbuvir Impurity 24 | VS-S031047 | N/A          |
| 23683 | Sofosbuvir Impurity 25 | VS-S031048 | 53008-90-5   |
| 23684 | Sofosbuvir Impurity 26 | VS-S031049 | 874638-79-6  |
| 23685 | Sofosbuvir Impurity 27 | VS-S031050 | N/A          |
| 23686 | Sofosbuvir Impurity 28 | VS-S031051 | N/A          |
| 23687 | Sofosbuvir Impurity 29 | VS-S031052 | 863329-62-8  |
| 23688 | Sofosbuvir Impurity 30 | VS-S031053 | N/A          |
| 23689 | Sofosbuvir Impurity 31 | VS-S031054 | N/A          |
| 23690 | Sofosbuvir Impurity 32 | VS-S031055 | N/A          |
| 23691 | Sofosbuvir Impurity 33 | VS-S031056 | 1910099-11-4 |
| 23692 | Sofosbuvir Impurity 34 | VS-S031057 | N/A          |
| 23693 | Sofosbuvir Impurity 35 | VS-S031058 | 114262-49-6  |
| 23694 | Sofosbuvir Impurity 36 | VS-S031059 | N/A          |
| 23695 | Sofosbuvir Impurity 37 | VS-S031060 | 1622930-61-3 |
| 23696 | Sofosbuvir Impurity 38 | VS-S031061 | 1639833-40-1 |
| 23697 | Sofosbuvir Impurity 39 | VS-S031062 | N/A          |
| 23698 | Sofosbuvir Impurity 40 | VS-S031063 | N/A          |
| 23699 | Sofosbuvir Impurity 41 | VS-S031064 | N/A          |
| 23700 | Sofosbuvir Impurity 42 | VS-S031065 | N/A          |
| 23701 | Sofosbuvir Impurity 43 | VS-S031066 | N/A          |
| 23702 | Sofosbuvir Impurity 44 | VS-S031067 | N/A          |
| 23703 | Sofosbuvir Impurity 45 | VS-S031068 | N/A          |
| 23704 | Sofosbuvir Impurity 46 | VS-S031069 | N/A          |
| 23705 | Sofosbuvir Impurity 47 | VS-S031070 | N/A          |
| 23706 | Sofosbuvir Impurity 48 | VS-S031071 | N/A          |
| 23707 | Sofosbuvir Impurity 49 | VS-S031072 | 863329-63-9  |
| 23708 | Sofosbuvir Impurity 50 | VS-S031073 | 1580001-93-9 |
| 23709 | Sofosbuvir Impurity 51 | VS-S031074 | 1910099-17-0 |
| 23710 | Sofosbuvir Impurity 52 | VS-S031075 | 2073854-58-5 |
| 23711 | Sofosbuvir Impurity 53 | VS-S031076 | 119410-95-6  |
| 23712 | Sofosbuvir Impurity 54 | VS-S031077 | 16731-31-0   |
| 23713 | Sofosbuvir Impurity 55 | VS-S031078 | 1496551-65-5 |
| 23714 | Sofosbuvir Impurity 56 | VS-S031079 | 1496551-72-4 |
| 23715 | Sofosbuvir Impurity 57 | VS-S031080 | N/A          |
| 23716 | Sofosbuvir Impurity 58 | VS-S031081 | 1015073-43-4 |
| 23717 | Sofosbuvir Impurity 59 | VS-S031082 | 1033394-92-1 |
| 23718 | Sofosbuvir Impurity 60 | VS-S031083 | 1033394-94-3 |
| 23719 | Sofosbuvir Impurity 61 | VS-S031084 | N/A          |
| 23720 | Sofosbuvir Impurity 62 | VS-S031085 | N/A          |
| 23721 | Sofosbuvir Impurity 63 | VS-S031086 | N/A          |
| 23722 | Sofosbuvir Impurity 64 | VS-S031087 | N/A          |
| 23723 | Sofosbuvir Impurity 65 | VS-S031088 | N/A          |
| 23724 | Sofosbuvir Impurity 66 | VS-S031089 | N/A          |
| 23725 | Sofosbuvir Impurity 67 | VS-S031090 | N/A          |

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| 23726 | Sofosbuvir Impurity 68                   | VS-S031091 | N/A          |
| 23727 | Sofosbuvir Impurity 69                   | VS-S031092 | N/A          |
| 23728 | Sofosbuvir Impurity 70                   | VS-S031093 | N/A          |
| 23729 | Sofosbuvir Impurity 71                   | VS-S031094 | 1496551-70-2 |
| 23730 | Sofosbuvir Impurity 72                   | VS-S031095 | 1199809-23-8 |
| 23731 | Sofosbuvir Impurity 73                   | VS-S031096 | 1500076-79-8 |
| 23732 | Sofosbuvir Impurity 74                   | VS-S031097 | 1233335-78-8 |
| 23733 | Sofosbuvir Impurity 75                   | VS-S031098 | 1334513-02-8 |
| 23734 | Sofosbuvir Impurity 76                   | VS-S031099 | N/A          |
| 23735 | Sofosbuvir Impurity 77                   | VS-S031100 | 81997-76-4   |
| 23736 | Sofosbuvir Impurity 78                   | VS-S031101 | 879551-01-6  |
| 23737 | Sofosbuvir Impurity 79                   | VS-S031102 | 93635-76-8   |
| 23738 | Sofosbuvir Impurity 80                   | VS-S031103 | 1946820-96-7 |
| 23739 | Sofosbuvir Impurity 81                   | VS-S031104 | 31448-54-1   |
| 23740 | Sofosbuvir Impurity 82                   | VS-S031105 | 1946820-91-2 |
| 23741 | Sofosbuvir Impurity 83                   | VS-S031106 | 1157884-58-6 |
| 23742 | Sofosbuvir Impurity 84                   | VS-S031107 | N/A          |
| 23743 | Sofosbuvir Impurity 86                   | VS-S031108 | 15186-48-8   |
| 23744 | Sofosbuvir Impurity 85                   | VS-S031109 | N/A          |
| 23745 | Sofosbuvir Impurity 90                   | VS-S031110 | 2053891-28-2 |
| 23746 | Sofosbuvir Impurity 91                   | VS-S031111 | N/A          |
| 23747 | Sofosbuvir Impurity 92                   | VS-S031112 | 771-61-9     |
| 23748 | Sofosbuvir Impurity 87                   | VS-S031113 | N/A          |
| 23749 | Sofosbuvir Impurity 88                   | VS-S031114 | N/A          |
| 23750 | Sofosbuvir Impurity 89                   | VS-S031115 | 1334513-10-8 |
| 23751 | Sofosbuvir Impurity 93                   | VS-S031116 | N/A          |
| 23752 | Sofosbuvir Impurity 94                   | VS-S031117 | 1064684-44-1 |
| 23753 | Sofosbuvir O-Desisopropyl O-Ethyl Ester  | VS-S031118 | 1064684-30-5 |
| 23754 | Sofosbuvir o-desisopropyl o-methyl ester | VS-S031119 | 1015255-46-5 |
| 23755 | Sofosbuvir N-Benzoyl Impurity            | VS-S031120 | 1689524-82-0 |
| 23756 | Sofosbuvir Impurity 102                  | VS-S031121 | 2500766-09-4 |
| 23757 | Sofosbuvir Impurity 99                   | VS-S031122 | 2095880-39-8 |
| 23758 | Sofosbuvir Impurity 100                  | VS-S031123 | 2095879-16-4 |
| 23759 | Sofosbuvir Impurity 101                  | VS-S031124 | 2766447-19-0 |
| 23760 | Solifenacin                              | VS-S032000 | 180272-14-4  |
| 23761 | Solifenacin Succinate                    | VS-S032001 | 242478-38-2  |
| 23762 | Solifenacin Tarterate                    | VS-S032002 | 865813-82-7  |
| 23763 | Solifenacin EP Impurity A                | VS-S032003 | 118864-75-8  |
| 23764 | Solifenacin EP Impurity B                | VS-S032004 | 1353274-25-5 |
| 23765 | Solifenacin EP Impurity C                | VS-S032005 | 1534326-81-2 |
| 23766 | Solifenacin EP Impurity D                | VS-S032006 | N/A          |
| 23767 | Solifenacin EP Impurity E                | VS-S032007 | 25333-42-0   |
| 23768 | Solifenacin EP Impurity F                | VS-S032008 | 774517-20-3  |
| 23769 | Solifenacin EP Impurity G                | VS-S032009 | 740780-79-4  |
| 23770 | Solifenacin EP Impurity H                | VS-S032010 | 732228-02-3  |
| 23771 | Solifenacin EP Impurity I                | VS-S032011 | 180272-28-0  |
| 23772 | Solifenacin cis-Hydroxy Impurity         | VS-S032012 | 201660-36-8  |

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|-------|--------------------------------------------------------|------------|--------------|
| 23773 | Solifenacin Methyl Ester Impurity                      | VS-S032013 | 1251905-45-9 |
| 23774 | (S)-quinuclidin-3-ol                                   | VS-S032014 | 34583-34-1   |
| 23775 | Solifenacin Benzoyl (R)-Quinuclidinyl Impurity         | VS-S032015 | N/A          |
| 23776 | Solifenacin Benzoyl (S)-Quinuclidinyl Impurity         | VS-S032016 | N/A          |
| 23777 | Solifenacin (R)-Hydroxyquinuclidine Impurity (HCl)     | VS-S032017 | 42437-96-7   |
| 23778 | Solifenacin Nitrophenyl Ester Impurity                 | VS-S032018 | 1229227-22-8 |
| 23779 | Solifenacin Hydroxyquinuclidine Impurity (Base)        | VS-S032019 | 1619-34-7    |
| 23780 | Solifenacin R Isomer                                   | VS-S032020 | 180272-45-1  |
| 23781 | Trans-4 Hydroxy Solifenacin (Mixture of Diastereomers) | VS-S032021 | N/A          |
| 23782 | trans 2-(1,6-Dimethylpiperidin-3-yl)propan-2-ol        | VS-S032022 | 2057-25-2    |
| 23783 | Cis 2-(1,6-dimethylpiperidine-3-yl)propan-2-ol         | VS-S032023 | 2057-26-3    |
| 23784 | 4-Hydroxy Solifenacin N-Oxide                          | VS-S032024 | N/A          |
| 23785 | Solifenacin Related Compound 1                         | VS-S032025 | 861998-77-8  |
| 23786 | Solifenacin Related Compound 2                         | VS-S032026 | N/A          |
| 23787 | Solifenacin Related Compound 3                         | VS-S032027 | 1956436-64-8 |
| 23788 | Solifenacin Related Compound 4                         | VS-S032028 | 52250-50-7   |
| 23789 | Solifenacin Related Compound 5                         | VS-S032029 | N/A          |
| 23790 | Solifenacin Related Compound 6                         | VS-S032030 | 180468-42-2  |
| 23791 | Solifenacin Related Compound 9                         | VS-S032031 | N/A          |
| 23792 | Solifenacin Related Compound 10                        | VS-S032032 | N/A          |
| 23793 | Solifenacin Related Compound 11                        | VS-S032033 | N/A          |
| 23794 | Solifenacin Related Compound 12                        | VS-S032034 | 616-38-6     |
| 23795 | Solifenacin Related Compound 13                        | VS-S032035 | 1225338-27-1 |
| 23796 | Solifenacin Related Compound 14                        | VS-S032036 | 1427376-05-3 |
| 23797 | Solifenacin Related Compound 15                        | VS-S032037 | 3731-38-2    |
| 23798 | Solifenacin Related Compound 16                        | VS-S032038 | N/A          |
| 23799 | Solifenacin Related Compound 17                        | VS-S032039 | N/A          |
| 23800 | Solifenacin Related Compound 18                        | VS-S032040 | 3278-14-6    |
| 23801 | Solifenacin Related Compound 19                        | VS-S032041 | 134021-15-1  |
| 23802 | Solifenacin Related Compound 20                        | VS-S032042 | 1682642-69-8 |
| 23803 | Solifenacin Related Compound 21                        | VS-S032043 | N/A          |
| 23804 | Solifenacin Related Compound 22                        | VS-S032044 | 2512210-26-1 |
| 23805 | Solifenacin Related Compound 23                        | VS-S032045 | 59653-40-6   |
| 23806 | Solifenacin Related Compound 24                        | VS-S032046 | 22990-19-8   |
| 23807 | Solifenacin Related Compound 25                        | VS-S032047 | N/A          |
| 23808 | Solifenacin Related Compound 26                        | VS-S032048 | 1035272-88-8 |
| 23809 | Solifenacin Related Compound 27                        | VS-S032049 | N/A          |
| 23810 | Solifenacin Related Compound 28                        | VS-S032050 | 869884-24-2  |
| 23811 | Solifenacin Impurity 1                                 | VS-S032051 | 2518398-14-4 |
| 23812 | Solifenacin Impurity 2                                 | VS-S032052 | 1863095-36-6 |
| 23813 | Solifenacin Impurity 3                                 | VS-S032053 | N/A          |
| 23814 | Solifenacin Impurity 4                                 | VS-S032054 | N/A          |
| 23815 | Solifenacin Succinate - Impurity F                     | VS-S032055 | 1262506-09-1 |
| 23816 | (S,S)-Solifenacin Succinate                            | VS-S032056 | 862207-71-4  |
| 23817 | (R, R)-Solifenacin Succinate                           | VS-S032057 | 862207-70-3  |
| 23818 | Solifenacin (1S,3S) Stereoisomer                       | VS-S032058 | 180468-38-6  |
| 23819 | Solriamfetol                                           | VS-S033000 | 178429-62-4  |

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|-------|----------------------------------------|------------|--------------|
| 23820 | D-Phenylalaninol Dimer                 | VS-S033001 | N/A          |
| 23821 | D-Phenylalaninol Trimer                | VS-S033002 | N/A          |
| 23822 | 2-Methylbutane                         | VS-S033003 | 1314999-78-4 |
| 23823 | Solriamfetol Impurity A                | VS-S033004 | 5267-64-1    |
| 23824 | Solriamfetol Impurity B                | VS-S033005 | N/A          |
| 23825 | Solriamfetol Impurity C                | VS-S033006 | N/A          |
| 23826 | Solriamfetol Impurity D                | VS-S033007 | 17026-42-5   |
| 23827 | Solriamfetol Impurity E                | VS-S033008 | 90719-32-7   |
| 23828 | Solriamfetol Impurity F                | VS-S033009 | 275378-91-1  |
| 23829 | Solriamfetol S-Enantiomer Impurity     | VS-S033010 | 178429-66-8  |
| 23830 | Sorafenib                              | VS-S034000 | 284461-73-0  |
| 23831 | Sorafenib Related Compound             | VS-S034001 | 2004659-85-0 |
| 23832 | Sorafenib EP Impurity A                | VS-S034002 | 284462-37-9  |
| 23833 | Sorafenib EP Impurity A Hydrochloride  | VS-S034003 | 911132-05-3  |
| 23834 | Sorafenib EP Impurity B                | VS-S034004 | 2004659-84-9 |
| 23835 | Sorafenib IP Impurity B                | VS-S034005 | 2514724-45-7 |
| 23836 | Sorafenib EP Impurity C                | VS-S034006 | 320-51-4     |
| 23837 | Sorafenib EP Impurity C Hydrochloride  | VS-S034007 | 53313-44-3   |
| 23838 | Sorafenib Impurity C                   | VS-S034008 | 2204442-52-2 |
| 23839 | Sorafenib EP Impurity D                | VS-S034009 | 2206827-14-5 |
| 23840 | Sorafenib EP Impurity E                | VS-S034010 | 284670-98-0  |
| 23841 | Sorafenib EP Impurity F                | VS-S034011 | 1285533-84-7 |
| 23842 | Sorafenib EP Impurity F Hydrochloride  | VS-S034012 | 1285534-09-9 |
| 23843 | Sorafenib EP Impurity F Tosylate       | VS-S034013 | 1285534-33-9 |
| 23844 | Sorafenib EP Impurity G                | VS-S034014 | 18585-06-3   |
| 23845 | Sorafenib USP Related Compound H       | VS-S034015 | 1431697-81-2 |
| 23846 | Sorafenib Impurity B                   | VS-S034017 | 370-50-3     |
| 23847 | Sorafenib Related Compound 7           | VS-S034018 | 2206827-12-3 |
| 23848 | Sorafenib Related Compound 12          | VS-S034019 | 176977-85-8  |
| 23849 | Sorafenib N-Oxide                      | VS-S034020 | 583840-03-3  |
| 23850 | Sorafenib Carboxylic Acid Methyl Ester | VS-S034021 | 573673-43-5  |
| 23851 | Sorafenib N-Desmethyl N-Oxide          | VS-S034022 | 583840-04-4  |
| 23852 | Sorafenib Urea Impurity                | VS-S034023 | 1129683-88-0 |
| 23853 | Sorafenib Tosylate                     | VS-S034024 | 475207-59-1  |
| 23854 | N-Desmethyl Sorafenib                  | VS-S034025 | 284461-74-1  |
| 23855 | p-Toluenesulfonic Acid Monohydrate     | VS-S034026 | 6192-52-5    |
| 23856 | Sorafenib Ethylamine Impurity          | VS-S034027 | 284462-82-4  |
| 23857 | Sorafenib Hydroxydemethylamine         | VS-S034028 | 1012058-78-4 |
| 23858 | N-Methyl Picolinamide                  | VS-S034029 | 6144-78-1    |
| 23859 | Phenyl Chloroformate                   | VS-S034030 | 1885-14-9    |
| 23860 | N-Desmethyl Sorafenib Tosylate         | VS-S034031 | 943024-27-9  |
| 23861 | Sorafenib Impurity 1                   | VS-S034032 | 220000-87-3  |
| 23862 | Sorafenib Impurity 3                   | VS-S034033 | 1129683-83-5 |
| 23863 | Sorafenib Impurity 4                   | VS-S034034 | 871555-75-8  |
| 23864 | Sorafenib Impurity 5                   | VS-S034035 | 88330-63-6   |
| 23865 | Sorafenib Impurity 6                   | VS-S034036 | 284461-82-1  |
| 23866 | Sorafenib Impurity 7                   | VS-S034037 | 1012058-77-3 |



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|-------|----------------------------------------|------------|-------------|
| 23867 | Sorbic Acid                            | VS-S035000 | 110-44-1    |
| 23868 | Sorbitol                               | VS-S036000 | 50-70-4     |
| 23869 | Sorbitol EP Impurity A                 | VS-S036001 | 69-65-8     |
| 23870 | Sorbitol EP Impurity B                 | VS-S036002 | 25878-23-3  |
| 23871 | Sorbitol EP Impurity C                 | VS-S036003 | 585-88-6    |
| 23872 | Sotalol                                | VS-S037000 | 3930-20-9   |
| 23873 | Sotalol EP Impurity A                  | VS-S037001 | 16974-44-0  |
| 23874 | Sotalol EP Impurity B                  | VS-S037002 | 60735-85-5  |
| 23875 | Sotalol EP Impurity C                  | VS-S037003 | 83922-54-7  |
| 23876 | Sotalol EP Impurity D                  | VS-S037004 | N/A         |
| 23877 | Sotalol Impurity A (HCl)               | VS-S037005 | 16974-42-8  |
| 23878 | Sparfloxacin                           | VS-S038000 | 110871-86-8 |
| 23879 | Sparfloxacin                           | VS-S038001 | 111542-93-9 |
| 23880 | Sparfloxacin Impurity 1                | VS-S038002 | 103460-90-8 |
| 23881 | Sparfloxacin Impurity 2                | VS-S038003 | 119354-10-8 |
| 23882 | Sparfloxacin Impurity 3                | VS-S038004 | 132664-15-4 |
| 23883 | Sparfloxacin De-cyclopropyl Impurity   | VS-S038005 | NA          |
| 23884 | Spiramycin                             | VS-S039000 | 68880-55-7  |
| 23885 | Spiramycin EP Impurity A               | VS-S039001 | 70253-62-2  |
| 23886 | Spiramycin EP Impurity B               | VS-S039002 | 249930-66-3 |
| 23887 | Spiramycin EP Impurity C               | VS-S039003 | 177584-13-3 |
| 23888 | Spiramycin EP Impurity D               | VS-S039004 | N/A         |
| 23889 | Spiramycin EP Impurity E               | VS-S039005 | 177584-14-4 |
| 23890 | Spiramycin EP Impurity F               | VS-S039006 | N/A         |
| 23891 | Spiramycin EP Impurity G               | VS-S039007 | N/A         |
| 23892 | Spiramycin EP Impurity H               | VS-S039008 | 4617-99-6   |
| 23893 | Spiramycin I                           | VS-S039009 | 24916-50-5  |
| 23894 | Spiramycin III                         | VS-S039010 | 24916-52-7  |
| 23895 | Spironolactone                         | VS-S040000 | 52-01-7     |
| 23896 | Spironolactone EP Impurity A           | VS-S040001 | 132458-33-4 |
| 23897 | Spironolactone EP Impurity B           | VS-S040002 | N/A         |
| 23898 | Spironolactone EP Impurity C           | VS-S040003 | 976-70-5    |
| 23899 | Spironolactone EP Impurity D           | VS-S040004 | N/A         |
| 23900 | Spironolactone EP Impurity E           | VS-S040005 | 33784-05-3  |
| 23901 | Spironolactone EP Impurity F           | VS-S040006 | 976-71-6    |
| 23902 | Spironolactone EP Impurity G           | VS-S040007 | 880106-10-5 |
| 23903 | Spironolactone EP Impurity H           | VS-S040008 | 53866-24-3  |
| 23904 | Spironolactone EP Impurity I           | VS-S040009 | N/A         |
| 23905 | 7- $\alpha$ -Thiomethyl Spironolactone | VS-S040010 | 38753-77-4  |
| 23906 | Spironolactone Acid                    | VS-S040011 | N/A         |
| 23907 | 7 $\alpha$ -Thio Spironolactone        | VS-S040012 | 38753-76-3  |
| 23908 | Spironolactone Epimer Mixture          | VS-S040013 | N/A         |
| 23909 | Spironolactone Gammalactone Impurity   | VS-S040014 | 20802-57-7  |
| 23910 | Spironolactone 17-Beta Isomer          | VS-S040015 | 207456-31-3 |
| 23911 | Spironolactone Impurity 1              | VS-S040016 | 38753-75-2  |
| 23912 | Spironolactone Impurity 2              | VS-S040017 | 4138-96-9   |
| 23913 | Spironolactone Impurity 3              | VS-S040018 | N/A         |

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|-------|----------------------------------------------|------------|--------------|
| 23914 | Stiripentol                                  | VS-S041000 | 49763-96-4   |
| 23915 | Stiripentol Keto Impurity                    | VS-S041001 | 144850-45-3  |
| 23916 | Stiripentol Iso butyl alcohol Impurity       | VS-S041002 | 58344-90-4   |
| 23917 | Stiripentol Tert-keto Impurity               | VS-S041003 | 78074-39-2   |
| 23918 | Stiripentol Iso butyl keto impurity          | VS-S041004 | 56750-95-9   |
| 23919 | Sucralfate                                   | VS-S042000 | 54182-58-0   |
| 23920 | Sucralfate EP Impurity A                     | VS-S042001 | N/A          |
| 23921 | Sucrose Octasulfate Potassium Salt           | VS-S042002 | 73264-44-5   |
| 23922 | Sugammadex                                   | VS-S043000 | 343306-71-8  |
| 23923 | Sugammadex Sodium                            | VS-S043001 | 343306-79-6  |
| 23924 | Sugammadex Diastereomer 1 Sulfoxide          | VS-S043002 | 2412953-11-6 |
| 23925 | Sugammadex Diastereomer 2 Sulfoxide          | VS-S043003 | 2412953-12-7 |
| 23926 | Sugammadex Disulfide Impurity                | VS-S043004 | 2412952-81-7 |
| 23927 | Sugammadex Monochloro Impurity               | VS-S043005 | 2379877-88-8 |
| 23928 | Sugammadex Monobromo Impurity                | VS-S043006 | 2412952-86-2 |
| 23929 | Sugammadex Monohydroxy Impurity              | VS-S043007 | 2376607-98-4 |
| 23930 | Beta Cyclodextrin                            | VS-S043008 | 7585-39-9    |
| 23931 | Dimethyl Amino Sugammadex                    | VS-S043009 | N/A          |
| 23932 | Mono-thiol Sugammadex                        | VS-S043010 | 2379877-90-2 |
| 23933 | Di hydroxy Sugammadex                        | VS-S043011 | N/A          |
| 23934 | Sugammadex Dimer Impurity                    | VS-S043012 | N/A          |
| 23935 | Sugammadex Disulfoxide Impurity              | VS-S043013 | N/A          |
| 23936 | Sugammadex Ethyl Ester Impurity              | VS-S043014 | N/A          |
| 23937 | Sugammadex Methyl Ester Impurity             | VS-S043015 | 2412952-88-4 |
| 23938 | Mono Acetyl Sugammadex                       | VS-S043016 | N/A          |
| 23939 | Mono-ISO-Sugammadex                          | VS-S043017 | N/A          |
| 23940 | Sugammadex Impurity I                        | VS-S043018 | N/A          |
| 23941 | SGM Impurity J (Sugammadex Impurity J)       | VS-S043019 | N/A          |
| 23942 | Sugammadex Impurity J C-2 Isomer             | VS-S043020 | N/A          |
| 23943 | Sugammadex Impurity J C-3 Isomer             | VS-S043021 | N/A          |
| 23944 | Sugammadex Impurity K C-2 Isomer             | VS-S043022 | N/A          |
| 23945 | Sugammadex Impurity K                        | VS-S043023 | N/A          |
| 23946 | Sugammadex Impurity M                        | VS-S043024 | N/A          |
| 23947 | Sugammadex Thioether Dimer                   | VS-S043025 | N/A          |
| 23948 | SGM/DPPO Impurity                            | VS-S043026 | N/A          |
| 23949 | SGM/DPOM Impurity                            | VS-S043027 | N/A          |
| 23950 | Alpha-Cyclodextrin                           | VS-S043028 | 10016-20-3   |
| 23951 | Gamma-Cyclodextrin                           | VS-S043029 | 17465-86-0   |
| 23952 | Per-6-Chloro-gamma Cyclodextrin              | VS-S043030 | 173094-60-5  |
| 23953 | Sugammadex TPPO Analogue Impurity            | VS-S043031 | N/A          |
| 23954 | Sugammadex Diphenyl Phosphine Oxide Impurity | VS-S043032 | N/A          |
| 23955 | Sugammadex Sulfoxide Impurity                | VS-S043033 | N/A          |
| 23956 | Sugammadex 2-Mercapto-Analogue               | VS-S043034 | N/A          |
| 23957 | Sugammadex Methoxy Analoug                   | VS-S043035 | N/A          |
| 23958 | Sugammadex Sodium Thio Acrylate              | VS-S043036 | N/A          |
| 23959 | Sugammadex Impurity 1                        | VS-S043037 | 1378831-29-8 |
| 23960 | Sugammadex Impurity 2                        | VS-S043038 | N/A          |

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|-------|---------------------------------------------------|------------|--------------|
| 23961 | Sugammadex Impurity 3                             | VS-S043039 | N/A          |
| 23962 | Sugammadex Impurity 4                             | VS-S043040 | N/A          |
| 23963 | Sugammadex Impurity 5                             | VS-S043041 | N/A          |
| 23964 | Sugammadex Impurity 6                             | VS-S043042 | N/A          |
| 23965 | Sugammadex Impurity 7                             | VS-S043043 | N/A          |
| 23966 | Sugammadex Impurity 8                             | VS-S043044 | N/A          |
| 23967 | Sugammadex Impurity 9                             | VS-S043045 | N/A          |
| 23968 | Sugammadex Impurity 10                            | VS-S043046 | N/A          |
| 23969 | Sugammadex Impurity 11                            | VS-S043047 | N/A          |
| 23970 | Sugammadex Impurity 12                            | VS-S043048 | N/A          |
| 23971 | Sugammadex Impurity 13                            | VS-S043049 | N/A          |
| 23972 | Sugammadex Impurity 45                            | VS-S043050 | N/A          |
| 23973 | Sugammadex Diastereomer 1 Sulfoxide (Sodium Salt) | VS-S043051 | 2412953-13-8 |
| 23974 | Sugammadex Diastereomer 2 Sulfoxide (Sodium Salt) | VS-S043052 | 2412953-14-9 |
| 23975 | Monohydroxy Sugammadex (Sodium Salt)              | VS-S043053 | 2376607-99-5 |
| 23976 | Monochloro Sugammadex (Sodium Salt)               | VS-S043054 | 2379877-89-9 |
| 23977 | Sugammadex sulphide monomer                       | VS-S043055 | N/A          |
| 23978 | Monochloro Sugammadex Sodium                      | VS-S043056 | N/A          |
| 23979 | Sulbactam Sodium                                  | VS-S044000 | 69388-84-7   |
| 23980 | Sulbactam EP Impurity A                           | VS-S044001 | 23315-18-6   |
| 23981 | Sulbactam EP Impurity B                           | VS-S044002 | 551-16-6     |
| 23982 | Sulbactam EP Impurity C                           | VS-S044003 | 75527-87-6   |
| 23983 | Sulbactam EP Impurity D                           | VS-S044004 | 4027-64-9    |
| 23984 | Sulbactam EP Impurity E                           | VS-S044005 | 76646-91-8   |
| 23985 | Sulbactam EP Impurity F                           | VS-S044006 | 24158-88-1   |
| 23986 | Sulbactam EP Impurity G                           | VS-S044007 | N/A          |
| 23987 | Sulbactam Impurity A                              | VS-S044008 | 98462-04-5   |
| 23988 | Sulbactam Impurity D                              | VS-S044009 | 26631-90-3   |
| 23989 | Sulfacetamide Sodium                              | VS-S045000 | 6209-17-2    |
| 23990 | Sulfacetamide Sodium EP Impurity A                | VS-S045001 | 63-74-1      |
| 23991 | Sulfacetamide Sodium EP Impurity B                | VS-S045002 | 121-61-9     |
| 23992 | Sulfacetamide Sodium EP Impurity C                | VS-S045003 | 5626-90-4    |
| 23993 | Sulfacetamide Sodium EP Impurity D                | VS-S045004 | 80-08-0      |
| 23994 | N1,4-BI-ACETYL-SULFANILAMIDE                      | VS-S045005 | NA           |
| 23995 | Sulfadiazine                                      | VS-S046000 | 68-35-9      |
| 23996 | Sulfadiazine EP Impurity A                        | VS-S046001 | 109-12-6     |
| 23997 | Sulfadiazine EP Impurity B                        | VS-S046002 | 121-57-3     |
| 23998 | Sulfadiazine EP Impurity C                        | VS-S046003 | 57-67-0      |
| 23999 | Sulfadiazine EP Impurity D                        | VS-S046004 | 63-74-1      |
| 24000 | Sulfadiazine EP Impurity E                        | VS-S046005 | 127-74-2     |
| 24001 | Sulfadoxine                                       | VS-S047000 | 2447-57-6    |
| 24002 | O-Desmethyl Sulfadoxine                           | VS-S047001 | 1346604-08-7 |
| 24003 | Sulfadoxine Impurity B                            | VS-S047002 | 5018-38-2    |
| 24004 | Sulfadoxine Impurity C                            | VS-S047003 | 5018-23-5    |
| 24005 | Sulfadoxine Impurity 1                            | VS-S047004 | 5018-54-2    |
| 24006 | Sulfadoxine Impurity 2                            | VS-S047005 | 5018-45-1    |
| 24007 | Sulfadoxine Impurity 3                            | VS-S047006 | 555-25-9     |

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| 24008 | Sulfadoxine Impurity 4         | VS-S047007 | N/A          |
| 24009 | Sulfamethoxazole               | VS-S048000 | 723-46-6     |
| 24010 | Sulfamethoxazole EP Impurity A | VS-S048001 | 21312-10-7   |
| 24011 | Sulfamethoxazole EP Impurity B | VS-S048002 | 135529-16-7  |
| 24012 | Sulfamethoxazole EP Impurity C | VS-S048003 | 1072-67-9    |
| 24013 | Sulfamethoxazole EP Impurity D | VS-S048004 | 121-57-3     |
| 24014 | Sulfamethoxazole EP Impurity E | VS-S048005 | 63-74-1      |
| 24015 | Sulfamethoxazole EP Impurity F | VS-S048006 | 17103-52-5   |
| 24016 | N-Hydroxy Sulfamethoxazole     | VS-S048007 | 114438-33-4  |
| 24017 | Sulfamethoxazole N4-glucoside  | VS-S048008 | 119691-75-7  |
| 24018 | Sulfasalazine                  | VS-S049000 | 599-79-1     |
| 24019 | Sulfasalazine EP Impurity A    | VS-S049001 | 1391062-35-3 |
| 24020 | Sulfasalazine EP Impurity B    | VS-S049002 | 1391062-49-9 |
| 24021 | Sulfasalazine EP Impurity C    | VS-S049003 | 66030-25-9   |
| 24022 | Sulfasalazine EP Impurity D    | VS-S049004 | 66364-70-3   |
| 24023 | Sulfasalazine EP Impurity E    | VS-S049005 | 1391062-34-2 |
| 24024 | Sulfasalazine EP Impurity F    | VS-S049006 | 66364-71-4   |
| 24025 | Sulfasalazine EP Impurity G    | VS-S049007 | 1391062-37-5 |
| 24026 | Sulfasalazine EP Impurity H    | VS-S049008 | 69-72-7      |
| 24027 | Sulfasalazine EP Impurity I    | VS-S049009 | 6054-99-5    |
| 24028 | Sulfasalazine EP Impurity J    | VS-S049010 | 144-83-2     |
| 24029 | Sulfasalazine Impurity 1       | VS-S049011 | 2033064-44-5 |
| 24030 | Sulfasalazine Impurity 2       | VS-S049012 | 2033064-46-7 |
| 24031 | Sulphanilamide                 | VS-S050000 | 63-74-1      |
| 24032 | Sulphanilamide Impurity 1      | VS-S050001 | N/A          |
| 24033 | Sulpiride                      | VS-S051000 | 15676-16-1   |
| 24034 | Sulpiride EP Impurity A        | VS-S051001 | 26116-12-1   |
| 24035 | Sulpiride EP Impurity B        | VS-S051002 | 33045-52-2   |
| 24036 | Sulpiride EP Impurity C        | VS-S051003 | 33045-53-3   |
| 24037 | Sulpiride EP Impurity D        | VS-S051004 | 22117-85-7   |
| 24038 | Sulpiride EP Impurity E        | VS-S051005 | 52395-25-2   |
| 24039 | Sulpiride EP Impurity F        | VS-S051006 | 2214214-03-4 |
| 24040 | Sulpiride EP Impurity G        | VS-S051007 | N/A          |
| 24041 | Sultamicillin                  | VS-S052000 | 76497-13-7   |
| 24042 | Sultamicillin Impurity 1       | VS-S052001 | N/A          |
| 24043 | Sultamicillin EP Impurity A    | VS-S052002 | 68373-14-8   |
| 24044 | Sultamicillin EP Impurity B    | VS-S052003 | 104-15-4     |
| 24045 | Sultamicillin EP Impurity C    | VS-S052004 | 69-53-4      |
| 24046 | Sultamicillin EP Impurity D    | VS-S052005 | N/A          |
| 24047 | Sultamicillin EP Impurity E    | VS-S052006 | N/A          |
| 24048 | Sultamicillin EP Impurity F    | VS-S052007 | N/A          |
| 24049 | Sultamicillin EP Impurity G    | VS-S052008 | N/A          |
| 24050 | Sumatriptan                    | VS-S053000 | 103628-46-2  |
| 24051 | Sumatriptan Succinate          | VS-S053001 | 103628-48-4  |
| 24052 | Sumatriptan EP Impurity A      | VS-S053002 | 545338-89-4  |
| 24053 | Sumatriptan EP Impurity B      | VS-S053003 | N/A          |
| 24054 | Sumatriptan EP Impurity C      | VS-S053004 | 1797905-62-4 |

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| 24055 | Sumatriptan EP Impurity D                          | VS-S053005 | 212069-94-8  |
| 24056 | Sumatriptan EP Impurity E                          | VS-S053006 | 88919-22-6   |
| 24057 | Sumatriptan EP Impurity F                          | VS-S053007 | 2074615-63-5 |
| 24058 | Sumatriptan EP Impurity G                          | VS-S053008 | 2074614-56-3 |
| 24059 | Sumatriptan EP Impurity H                          | VS-S053009 | 1391052-59-7 |
| 24060 | Sumatriptan Succinate Related Compound C           | VS-S053010 | N/A          |
| 24061 | Sumatriptan Carboxylic Acid Impurity               | VS-S053011 | 103628-44-0  |
| 24062 | Sumatriptan 3-Hydroxy-2-Oxo Impurity               | VS-S053012 | 2250254-19-2 |
| 24063 | Sumatriptan Aminophenyl Impurity                   | VS-S053013 | 109903-35-7  |
| 24064 | Sumatriptan Hydrazine Impurity                     | VS-S053014 | 88933-16-8   |
| 24065 | Sumatriptan Cyanomethyl Impurity                   | VS-S053015 | 88918-76-7   |
| 24066 | Sumatriptan 5-Hydroxymethyl Impurity               | VS-S053016 | 334981-08-7  |
| 24067 | Sumatriptan Dimethylamino Impurity                 | VS-S053017 | 19718-92-4   |
| 24068 | N-Desmethyl Sumatriptan                            | VS-S053018 | 88919-51-1   |
| 24069 | Sumatriptan Dimer                                  | VS-S053019 | 2144776-39-4 |
| 24070 | Sumatriptan Impurity 1                             | VS-S053020 | N/A          |
| 24071 | Sumatriptan Impurity 2                             | VS-S053021 | 350671-15-7  |
| 24072 | Sumatriptan Impurity 3                             | VS-S053022 | 2250253-06-4 |
| 24073 | Sumatriptan Impurity 4                             | VS-S053023 | N/A          |
| 24074 | Sumatriptan Impurity 5                             | VS-S053024 | 57981-02-9   |
| 24075 | Sumatriptan Impurity 6                             | VS-S053025 | 53992-33-9   |
| 24076 | Sumatriptan Impurity 7                             | VS-S053026 | 4025-75-6    |
| 24077 | Sumatriptan Impurity 8                             | VS-S053027 | 85952-29-0   |
| 24078 | Sumatriptan Impurity 9                             | VS-S053028 | 74386-18-8   |
| 24079 | Sumatriptan Impurity 10                            | VS-S053029 | 6139-84-0    |
| 24080 | Sumatriptan Impurity 11                            | VS-S053030 | 54322-20-2   |
| 24081 | Sumatriptan Impurity 12                            | VS-S053031 | N/A          |
| 24082 | Sumatriptan Impurity 13                            | VS-S053032 | 2760668-67-3 |
| 24083 | N-Nitroso Sumatriptan EP Impurity B                | VS-S053033 | NA           |
| 24084 | Sunitinib Malate                                   | VS-S054000 | 341031-54-7  |
| 24085 | Sunitinib Aldehyde Impurity                        | VS-S054001 | 356068-86-5  |
| 24086 | Sunitinib Amide Impurity                           | VS-S054002 | 1186651-51-3 |
| 24087 | Sunitinib Carboxylic Acid Impurity                 | VS-S054003 | 452105-33-8  |
| 24088 | Sunitinib Ketone Impurity                          | VS-S054004 | 2411816-47-0 |
| 24089 | Sunitinib N,N-Didesethyl Impurity                  | VS-S054005 | 1217216-61-9 |
| 24090 | Sunitinib N,N-Didesethyl N-Butoxycarbonyl Impurity | VS-S054006 | 1227960-76-0 |
| 24091 | Sunitinib N,N-Dimethyl Impurity                    | VS-S054007 | 326914-17-4  |
| 24092 | Sunitinib N-Desethyl N-Butoxycarbonyl Impurity     | VS-S054008 | 1246833-23-7 |
| 24093 | Sunitinib N-Oxide                                  | VS-S054009 | 356068-99-0  |
| 24094 | N-Desethyl Sunitinib                               | VS-S054010 | 356068-97-8  |
| 24095 | Sunitinib N-Glucuronide                            | VS-S054011 | N/A          |
| 24096 | Sunitinib E Isomer                                 | VS-S054012 | N/A          |
| 24097 | 4-fluoroisonitrosoacetanilide                      | VS-S054013 | 351-09-7     |
| 24098 | Sunitinib Dimethyl Amide Analog                    | VS-S054014 | 1348032-93-8 |
| 24099 | Sunitinib N-Methyl Analogue Impurity               | VS-S054015 | 2411816-48-1 |
| 24100 | Sunitinib Impurity B                               | VS-S054016 | 2135339-43-2 |
| 24101 | Sunitinib Impurity H                               | VS-S054017 | 2170562-55-5 |

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| 24102 | Sunitinib Impurity 1               | VS-S054018 | 1467015-10-6 |
| 24103 | Sunitinib Impurity 2               | VS-S054019 | N/A          |
| 24104 | Sunitinib Impurity 3               | VS-S054020 | 56341-41-4   |
| 24105 | Sunitinib Impurity 4               | VS-S054021 | 86770-31-2   |
| 24106 | Sunitinib Impurity 5               | VS-S054022 | 2199-51-1    |
| 24107 | Sunitinib Impurity 6               | VS-S054023 | 5442-91-1    |
| 24108 | Sunitinib Impurity 7               | VS-S054024 | N/A          |
| 24109 | Sunitinib Impurity 8               | VS-S054025 | N/A          |
| 24110 | Sunitinib Impurity 9               | VS-S054026 | 14352-65-9   |
| 24111 | Sunitinib                          | VS-S054027 | 557795-19-4  |
| 24112 | N-Nitroso N-Desethyl Sunitinib     | VS-S054028 | NA           |
| 24113 | N-Nitroso Sunitinib                | VS-S054029 | NA           |
| 24114 | Sunitinib Nitroso Impurity 1       | VS-S054030 | NA           |
| 24115 | Sunitinib Nitroso Impurity 2       | VS-S054031 | NA           |
| 24116 | Sunitinib Nitroso Impurity 3       | VS-S054032 | NA           |
| 24117 | Sunitinib Nitroso Impurity 4       | VS-S054033 | NA           |
| 24118 | Suvorexant                         | VS-S055000 | 1030377-33-3 |
| 24119 | Suvorexant Impurity A              | VS-S055001 | 1001401-61-1 |
| 24120 | Suvorexant Impurity B              | VS-S055002 | 1030377-80-0 |
| 24121 | Suvorexant Impurity 1              | VS-S055003 | 1030377-32-2 |
| 24122 | Suvorexant Impurity 2              | VS-S055004 | 3621-81-6    |
| 24123 | Suvorexant Impurity 3              | VS-S055005 | 1234707-20-0 |
| 24124 | Suvorexant Impurity 4              | VS-S055006 | 1276666-19-3 |
| 24125 | Suvorexant Impurity 5              | VS-S055007 | 1266975-27-2 |
| 24126 | Suvorexant Impurity 6              | VS-S055008 | 50270-42-3   |
| 24127 | Suvorexant Impurity 7              | VS-S055009 | NA           |
| 24128 | Sucralose                          | VS-S056000 | 56038-13-2   |
| 24129 | Sucralose EP Impurity A            | VS-S056001 | 105066-21-5  |
| 24130 | Sucralose EP Impurity B            | VS-S056002 | 40631-75-2   |
| 24131 | Sucralose EP Impurity D            | VS-S056003 | 64644-65-1   |
| 24132 | Sucralose EP Impurity E            | VS-S056004 | 55832-24-1   |
| 24133 | Sucralose EP Impurity F            | VS-S056005 | 61854-83-9   |
| 24134 | Sucralose EP Impurity G            | VS-S056006 | 105066-20-4  |
| 24135 | Sucralose EP Impurity H            | VS-S056007 | 78508-21-1   |
| 24136 | Sucralose EP Impurity I            | VS-S056008 | 848642-13-7  |
| 24137 | Sobrerol                           | VS-S057000 | 498-71-5     |
| 24138 | Cis-Sobrerol                       | VS-S057001 | 54164-89-5   |
| 24139 | Trans-Sobrerol                     | VS-S057002 | 42370-41-2   |
| 24140 | Sobrerol Impurity 1                | VS-S057003 | 6252-34-2    |
| 24141 | Sobrerol Impurity 2                | VS-S057004 | 71697-78-4   |
| 24142 | Sotagliflozin                      | VS-S058000 | 1018899-04-1 |
| 24143 | Desethyl Sotagliflozin             | VS-S058001 | NA           |
| 24144 | Sodium Stearyl Fumarate            | VS-S059000 | 4070-80-8    |
| 24145 | Stearyl Trimethylsilyl Fumarate    | VS-S059001 | NA           |
| 24146 | Stearyl Trimethylsilyl Ether       | VS-S059002 | 18748-98-6   |
| 24147 | Palmityl Trimethylsilyl Fumarate   | VS-S059003 | NA           |
| 24148 | Heptadecyl Trimethylsilyl Fumarate | VS-S059004 | NA           |

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| 24149 | Stearyl Trimethylsilyl Maleate            | VS-S059005 | NA           |
| 24150 | Nonadecyl Trimethylsilyl Fumarate         | VS-S059006 | NA           |
| 24151 | Eicos-11-Enyl Trimethylsilyl Fumarate     | VS-S059007 | NA           |
| 24152 | Distearyl Fumarate                        | VS-S059008 | 7283-68-3    |
| 24153 | Sufentanil Citrate EP Impurity A          | VS-S060000 | 61086-18-8   |
| 24154 | Sufentanil Citrate EP Impurity F          | VS-S060001 | 79146-60-4   |
| 24155 | Semaglutide                               | VS-S061000 | 910463-68-2  |
| 24156 | Sarolaner                                 | VS-S062000 | 1398609-39-6 |
| 24157 | Saccharin Sodium Dihydrate                | VS-S063000 | 6155-57-3    |
| 24158 | Saccharin Sodium                          | VS-S063001 | 128-44-9     |
| 24159 | Tacrolimus                                | VS-T001000 | 104987-11-3  |
| 24160 | Tacrolimus Hydrate                        | VS-T001001 | 109581-93-3  |
| 24161 | Tacrolimus EP Impurity A                  | VS-T001002 | 104987-12-4  |
| 24162 | Tacrolimus EP Impurity B                  | VS-T001003 | N/A          |
| 24163 | Tacrolimus EP Impurity C                  | VS-T001004 | N/A          |
| 24164 | Tacrolimus EP Impurity D                  | VS-T001005 | 129212-35-7  |
| 24165 | Tacrolimus EP Impurity E                  | VS-T001006 | 104987-30-6  |
| 24166 | Tacrolimus EP Impurity F                  | VS-T001007 | N/A          |
| 24167 | Tacrolimus EP Impurity G                  | VS-T001008 | 144490-63-1  |
| 24168 | Tacrolimus EP Impurity H                  | VS-T001009 | 143210-33-7  |
| 24169 | Tacrolimus EP Impurity I                  | VS-T001010 | 104987-16-8  |
| 24170 | Tacrolimus USP Related Compound A         | VS-T001011 | 135635-46-0  |
| 24171 | Tacrolimus Regioisomer                    | VS-T001012 | 131944-48-4  |
| 24172 | Tacrolimus Hydroxy Acid Impurity          | VS-T001013 | 1700657-83-5 |
| 24173 | Tacrolimus Ring-opening Impurity          | VS-T001014 | 1393890-33-9 |
| 24174 | Desmethyl Tacrolimus                      | VS-T001015 | 132172-14-6  |
| 24175 | Tacrolimus 21-Carboxylic acid Impurity    | VS-T001016 | N/A          |
| 24176 | Tacrolimus open ring Impurity             | VS-T001017 | 144432-23-5  |
| 24177 | Tacrolimus Dehydro Impurity               | VS-T001018 | 129212-37-9  |
| 24178 | Tacrolimus Methyl Acryl Aldehyde Impurity | VS-T001019 | 109466-74-2  |
| 24179 | Tacrolimus Delta Lactone                  | VS-T001020 | 1026775-21-2 |
| 24180 | Tacrolimus Impurity I                     | VS-T001021 | 135821-69-1  |
| 24181 | Tacrolimus Impurity III                   | VS-T001022 | 135635-47-1  |
| 24182 | Tacrolimus Impurity IV                    | VS-T001023 | 129039-81-2  |
| 24183 | Tacrolimus Impurity VII                   | VS-T001024 | N/A          |
| 24184 | Tacrolimus Impurity VIII                  | VS-T001025 | N/A          |
| 24185 | Tacrolimus Impurity IX                    | VS-T001026 | 135635-50-6  |
| 24186 | Tacrolimus Impurity X                     | VS-T001027 | 127285-26-1  |
| 24187 | Tacrolimus Impurity XI                    | VS-T001028 | N/A          |
| 24188 | Tacrolimus Impurity VII                   | VS-T001029 | 144432-22-4  |
| 24189 | Tacrolimus Impurity XVI                   | VS-T001030 | N/A          |
| 24190 | Tacrolimus Impurity VI                    | VS-T001031 | N/A          |
| 24191 | Tacrolimus Impurity VI                    | VS-T001032 | N/A          |
| 24192 | Tacrolimus Impurity VII                   | VS-T001033 | N/A          |
| 24193 | Tacrolimus Impurity XII                   | VS-T001034 | N/A          |
| 24194 | Tacrolimus Impurity 1                     | VS-T001035 | 123719-19-7  |
| 24195 | Tacrolimus Impurity 2                     | VS-T001036 | N/A          |

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| 24196 | Tacrolimus Impurity 3                                                                                                | VS-T001037 | N/A          |
| 24197 | Tacrolimus Impurity 4                                                                                                | VS-T001038 | N/A          |
| 24198 | Tacrolimus Impurity 5                                                                                                | VS-T001039 | N/A          |
| 24199 | Tacrolimus Impurity 6                                                                                                | VS-T001040 | N/A          |
| 24200 | Tacrolimus Impurity 7                                                                                                | VS-T001041 | N/A          |
| 24201 | Tacrolimus Impurity 8                                                                                                | VS-T001042 | N/A          |
| 24202 | Tadalafil                                                                                                            | VS-T002000 | 171596-29-5  |
| 24203 | Tadalafil EP Impurity A                                                                                              | VS-T002001 | 171596-27-3  |
| 24204 | Tadalafil EP Impurity B                                                                                              | VS-T002002 | 629652-72-8  |
| 24205 | Tadalafil EP Impurity C                                                                                              | VS-T002003 | N/A          |
| 24206 | Tadalafil EP Impurity D                                                                                              | VS-T002004 | N/A          |
| 24207 | Tadalafil EP Impurity E                                                                                              | VS-T002005 | 1978322-99-4 |
| 24208 | Tadalafil EP Impurity F                                                                                              | VS-T002006 | N/A          |
| 24209 | Tadalafil EP Impurity G                                                                                              | VS-T002007 | 2520114-46-7 |
| 24210 | Tadalafil EP Impurity H                                                                                              | VS-T002008 | 1978322-98-3 |
| 24211 | Tadalafil EP Impurity I                                                                                              | VS-T002009 | 2378614-29-8 |
| 24212 | Tadalafil EP Impurity A & C Mixture                                                                                  | VS-T002010 | N/A          |
| 24213 | Tadalafil N-Desmethyl N-Amino Impurity                                                                               | VS-T002011 | 1093940-69-2 |
| 24214 | Tadalafil Chloroacetyl Impurity                                                                                      | VS-T002012 | 171489-59-1  |
| 24215 | Tadalafil Intermediate 1                                                                                             | VS-T002013 | 14907-27-8   |
| 24216 | Tadalafil Impurity 1                                                                                                 | VS-T002014 | 171596-41-1  |
| 24217 | Tadalafil Impurity 2                                                                                                 | VS-T002015 | 171596-43-3  |
| 24218 | Tadalafil Impurity 3                                                                                                 | VS-T002016 | 2520114-84-3 |
| 24219 | Tadalafil Impurity 4                                                                                                 | VS-T002017 | N/A          |
| 24220 | Tadalafil Impurity 5                                                                                                 | VS-T002018 | 1797099-86-5 |
| 24221 | Tadalafil Impurity 6                                                                                                 | VS-T002019 | 20850-43-5   |
| 24222 | Tadalafil Impurity 7                                                                                                 | VS-T002020 | 749864-17-3  |
| 24223 | Tadalafil Impurity 8                                                                                                 | VS-T002021 | N/A          |
| 24224 | Tadalafil Impurity 9                                                                                                 | VS-T002022 | 7797-83-3    |
| 24225 | Tadalafil Impurity 10                                                                                                | VS-T002023 | 495-76-1     |
| 24226 | Tadalafil Impurity 11                                                                                                | VS-T002024 | 769-30-2     |
| 24227 | Tadalafil Impurity 12                                                                                                | VS-T002025 | 326-61-4     |
| 24228 | Tadalafil Impurity 13                                                                                                | VS-T002026 | N/A          |
| 24229 | Tadalafil Impurity 14                                                                                                | VS-T002027 | N/A          |
| 24230 | Tadalafil Impurity C                                                                                                 | VS-T002028 | 171596-28-4  |
| 24231 | (1S,3R)-1-Benzo[1,3]dioxol-5-yl-2-(2-chloro-acetyl)-2,3,4,9-tetrahydro-1H-b-carboline-3-carboxylic Acid Methyl Ester | VS-T002029 | 629652-40-0  |
| 24232 | (1S,3R)-Methyl 1-(benzo[d][1,3]dioxol-5-yl)-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carboxylate                  | VS-T002030 | 171596-42-2  |
| 24233 | Tadalafil N-Desmethyl N-Amino Impurity                                                                               | VS-T002031 | 385769-84-6  |
| 24234 | Nor-Tadalafil                                                                                                        | VS-T002032 | 171596-36-4  |
| 24235 | Tadalafil Impurity 15                                                                                                | VS-T002033 | 2169996-11-4 |
| 24236 | N-Nitroso Tadalafil Chloroacetyl Impurity                                                                            | VS-T002034 | N/A          |
| 24237 | Tadalafil Nitroso Impurity 1                                                                                         | VS-T002035 | N/A          |
| 24238 | Tadalafil Nitroso Impurity 2                                                                                         | VS-T002036 | N/A          |
| 24239 | Tadalafil Nitroso Impurity 3                                                                                         | VS-T002037 | N/A          |
| 24240 | Tadalafil Nitroso Impurity 4                                                                                         | VS-T002038 | N/A          |



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| 24241 | Tadalafil Impurity 16               | VS-T002039 | 2058231-08-4 |
| 24242 | Tadalafil Acid Impurity             | VS-T002040 | 474668-76-3  |
| 24243 | N-Nitroso Tadalafil                 | VS-T002041 | N/A          |
| 24244 | Tafamidis Meglumine                 | VS-T003000 | 951395-08-7  |
| 24245 | Tafamidis Impurity 1                | VS-T003001 | 619-14-7     |
| 24246 | Tafamidis Impurity 2                | VS-T003002 | 2789-92-6    |
| 24247 | Tafamidis Impurity 3                | VS-T003003 | 1184581-58-5 |
| 24248 | Tafamidis Impurity 4                | VS-T003004 | 1507158-86-2 |
| 24249 | Tafamidis Impurity 5                | VS-T003005 | 1521571-08-3 |
| 24250 | Tafamidis Impurity 6                | VS-T003006 | 1395964-06-3 |
| 24251 | Tafamidis                           | VS-T003007 | 594839-88-0  |
| 24252 | Tafamidis Impurity 7                | VS-T003008 | 1179721-81-3 |
| 24253 | Tafamidis Impurity 8                | VS-T003009 | 2374-03-0    |
| 24254 | Tafamidis Impurity 9                | VS-T003010 | 2905-67-1    |
| 24255 | Tafamidis Acyl Glucuronide          | VS-T003011 | NA           |
| 24256 | Tafamidis 13C6                      | VS-T003012 | NA           |
| 24257 | Tafamidis-D3                        | VS-T003013 | NA           |
| 24258 | Tafamidis Dichloro amide Impurity   | VS-T003014 | NA           |
| 24259 | Tafenoquine                         | VS-T004000 | 106635-80-7  |
| 24260 | Tafenoquine Impurity 1              | VS-T004001 | N/A          |
| 24261 | Tafluprost                          | VS-T005000 | 209860-87-7  |
| 24262 | Tafluprost Impurity 1               | VS-T005001 | 2512198-63-7 |
| 24263 | Tafluprost Impurity 2               | VS-T005002 | N/A          |
| 24264 | 5,6-trans-Tafluprost                | VS-T005003 | 1563176-58-8 |
| 24265 | Talazoparib                         | VS-T006000 | 1207456-01-6 |
| 24266 | Tamoxifen Citrate                   | VS-T007001 | 54965-24-1   |
| 24267 | Tamoxifen Citrate EP Impurity A     | VS-T007002 | 66584-36-9   |
| 24268 | Tamoxifen Impurity B                | VS-T007003 | 748-97-0     |
| 24269 | Tamoxifen EP Impurity C             | VS-T007004 | 19957-51-8   |
| 24270 | Tamoxifen EP Impurity C Citrate     | VS-T007005 | 20171-74-8   |
| 24271 | Tamoxifen EP Impurity D             | VS-T007006 | 197251-11-9  |
| 24272 | Tamoxifen EP Impurity E             | VS-T007007 | N/A          |
| 24273 | Tamoxifen Impurity F                | VS-T007008 | 15917-65-4   |
| 24274 | Tamoxifen Impurity G                | VS-T007009 | 68047-07-4   |
| 24275 | Tamoxifen Impurity H                | VS-T007010 | 809285-09-4  |
| 24276 | 4'-Hydroxytamoxifen                 | VS-T007011 | 82413-23-8   |
| 24277 | Tamoxifen N-oxide                   | VS-T007012 | 75504-34-6   |
| 24278 | (Z)-4-Hydroxy-N-Desmethyl Tamoxifen | VS-T007013 | 112093-28-4  |
| 24279 | 4-Hydroxy-N-Desmethyl Tamoxifen     | VS-T007014 | 110025-28-0  |
| 24280 | Didesmethyl Tamoxifen               | VS-T007015 | 80234-20-4   |
| 24281 | Tamoxifen mixture of EZ isomers HCl | VS-T007016 | N/A          |
| 24282 | Tamoxifen PDP-1                     | VS-T007017 | 130605-17-3  |
| 24283 | Tamoxifen PDP-2                     | VS-T007018 | N/A          |
| 24284 | Tamoxifen PDP-3                     | VS-T007019 | 51777-15-2   |
| 24285 | Tamoxifen Dimer                     | VS-T007020 | 1346606-51-6 |
| 24286 | Z-Chlorolefine                      | VS-T007021 | 97818-83-2   |
| 24287 | Tamoxifen Impurity 1                | VS-T007022 | 2125703-03-7 |

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| 24288 | Tamoxifen Impurity 2                                                                 | VS-T007023 | 103628-22-4  |
| 24289 | Tamoxifen                                                                            | VS-T007024 | 10540-29-1   |
| 24290 | Tamsulosin                                                                           | VS-T008000 | 106133-20-4  |
| 24291 | Tamsulosin Hydrochloride                                                             | VS-T008001 | 106463-17-6  |
| 24292 | Tamsulosin EP Impurity A                                                             | VS-T008002 | 918867-88-6  |
| 24293 | Tamsulosin EP Impurity B                                                             | VS-T008003 | 112101-81-2  |
| 24294 | Tamsulosin EP Impurity C                                                             | VS-T008004 | 2724727-15-3 |
| 24295 | Tamsulosin EP Impurity D                                                             | VS-T008005 | 1798904-07-0 |
| 24296 | Tamsulosin EP Impurity E                                                             | VS-T008006 | 105764-07-6  |
| 24297 | Tamsulosin EP Impurity F                                                             | VS-T008007 | 1051368-80-9 |
| 24298 | Tamsulosin EP Impurity G (HCl)                                                       | VS-T008008 | 106463-19-8  |
| 24299 | Tamsulosin EP Impurity H                                                             | VS-T008009 | 1329611-47-3 |
| 24300 | Tamsulosin EP Impurity I                                                             | VS-T008010 | 08-03-59     |
| 24301 | Tamsulosin Hydrochloride Racemate                                                    | VS-T008011 | 80223-99-0   |
| 24302 | Tamsulosin Dimer                                                                     | VS-T008012 | N/A          |
| 24303 | Tamsulosin Sulphonamide                                                              | VS-T008013 | 855298-56-5  |
| 24304 | Tamsulosin Ether                                                                     | VS-T008014 | 133261-17-3  |
| 24305 | Tamsulosin Ether Dimer                                                               | VS-T008015 | N/A          |
| 24306 | Tamsulosin Dimer                                                                     | VS-T008016 | N/A          |
| 24307 | Tamsulosin N-Ethyl                                                                   | VS-T008017 | N/A          |
| 24308 | Tamsulosin Oxo Dimer                                                                 | VS-T008018 | N/A          |
| 24309 | Tamsulosin Sulfonamide Chloroacetyl                                                  | VS-T008019 | N/A          |
| 24310 | Tamsulosin Diether                                                                   | VS-T008020 | N/A          |
| 24311 | Tamsulosin Sulfonic Acid                                                             | VS-T008021 | 890708-67-5  |
| 24312 | N-methyl Tamsulosin Impurity                                                         | VS-T008022 | N/A          |
| 24313 | N-Benzyl-Tamsulosin                                                                  | VS-T008023 | 1027854-97-2 |
| 24314 | Tamsulosin Related Compound 2                                                        | VS-T008024 | 3251-30-7    |
| 24315 | Tamsulosin Related Compound 6                                                        | VS-T008025 | N/A          |
| 24316 | Tamsulosin Related Compound 9                                                        | VS-T008026 | N/A          |
| 24317 | Tamsulosin Related Compound 10                                                       | VS-T008027 | 116091-63-5  |
| 24318 | Tamsulosin Impurity 1                                                                | VS-T008028 | 944395-49-7  |
| 24319 | Tamsulosin Impurity 2                                                                | VS-T008029 | 890708-64-2  |
| 24320 | Tamsulosin Impurity 3                                                                | VS-T008030 | 896468-69-2  |
| 24321 | Tamsulosin Impurity 4                                                                | VS-T008031 | 101824-19-5  |
| 24322 | Tamsulosin Impurity 5                                                                | VS-T008032 | N/A          |
| 24323 | Tamsulosin Impurity 6 HCl                                                            | VS-T008033 | 1582717-04-1 |
| 24324 | Tamsulosin Impurity 7                                                                | VS-T008034 | 176223-30-6  |
| 24325 | Tamsulosin Impurity B (HCl)                                                          | VS-T008035 | 112101-75-4  |
| 24326 | Tamsulosin EP Impurity F                                                             | VS-T008036 | 6781-17-5    |
| 24327 | Tamsulosin Hydrochloride - Impurity D                                                | VS-T008037 | 80223-96-7   |
| 24328 | 2-methoxy-5-((S)-2-(((S)-1-phenylethyl)amino)propyl)benzenesulfonamide hydrochloride | VS-T008038 | 116091-64-6  |
| 24329 | Tamsulosin Impurity 10                                                               | VS-T008039 | 3250-73-5    |
| 24330 | Tamsulosin Impurity 11                                                               | VS-T008040 | NA           |
| 24331 | N-Nitroso Tamsulosin Impurity                                                        | VS-T008041 | 2892260-31-8 |
| 24332 | TAMSULOSIN EP IMPURITY G                                                             | VS-T008042 | 106138-88-9  |
| 24333 | N-Nitroso Tamsulosin-D4                                                              | VS-T008043 | NA           |

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|-------|-------------------------------------|------------|--------------|
| 24334 | Tapentadol Hydrochloride            | VS-T009001 | 175591-09-0  |
| 24335 | Tapentadol EP Impurity A            | VS-T009002 | 454221-04-6  |
| 24336 | Tapentadol EP Impurity B            | VS-T009003 | 953400-57-2  |
| 24337 | Tapentadol EP Impurity C            | VS-T009004 | 809282-27-7  |
| 24338 | Tapentadol EP Impurity D            | VS-T009005 | 1422011-96-8 |
| 24339 | Tapentadol                          | VS-T009006 | 175591-23-8  |
| 24340 | Tapentadol O-Sulfate                | VS-T009007 | 1300037-87-9 |
| 24341 | N-Desmethyl Tapentadol              | VS-T009008 | 1300037-83-5 |
| 24342 | Tapentadol N-Oxide                  | VS-T009009 | 1422277-62-0 |
| 24343 | Tapentadol EP Impurity A (HCl salt) | VS-T009010 | 175591-10-3  |
| 24344 | Tapentadol EP Impurity E            | VS-T009011 | 175591-22-7  |
| 24345 | Tartrazine Trisodium                | VS-T010001 | 1934-21-0    |
| 24346 | Patent Blue V                       | VS-T010002 | 3536-49-0    |
| 24347 | Allura Red AC                       | VS-T010003 | 25956-17-6   |
| 24348 | Erythrosine                         | VS-T010004 | 16423-68-0   |
| 24349 | Tasimelteon                         | VS-T011000 | 609799-22-6  |
| 24350 | Tasimelteon Enantiomer              | VS-T011001 | 209255-72-1  |
| 24351 | Tasimelteon Impurity A              | VS-T011002 | N/A          |
| 24352 | Tasimelteon Impurity B              | VS-T011003 | N/A          |
| 24353 | Tasimelteon Impurity C              | VS-T011004 | N/A          |
| 24354 | Tasimelteon Impurity D              | VS-T011005 | 1161417-63-5 |
| 24355 | Tasimelteon Impurity E              | VS-T011006 | 1651831-37-6 |
| 24356 | Tasimelteon Impurity F              | VS-T011007 | 251562-66-0  |
| 24357 | Tasimelteon Impurity G              | VS-T011008 | 251562-65-9  |
| 24358 | Tasimelteon Impurity 2              | VS-T011009 | 1803286-26-1 |
| 24359 | Tasimelteon Impurity 3              | VS-T011010 | 1803286-21-6 |
| 24360 | Tasimelteon Impurity 4              | VS-T011011 | 1803287-41-3 |
| 24361 | Tasimelteon Impurity 5              | VS-T011012 | N/A          |
| 24362 | Tasimelteon Impurity 6              | VS-T011013 | 1803286-24-9 |
| 24363 | Tasimelteon Impurity 7              | VS-T011014 | 1803286-27-2 |
| 24364 | Tasimelteon Impurity 8              | VS-T011015 | 1439984-63-0 |
| 24365 | Tavaborole                          | VS-T012000 | 174671-46-6  |
| 24366 | Tavaborole Impurity 1               | VS-T012001 | 1061223-45-7 |
| 24367 | Tavaborole Debromo Impurity         | VS-T012002 | 456-47-3     |
| 24368 | Tavaborole Desfluoro Impurity       | VS-T012003 | 5735-41-1    |
| 24369 | Tavaborole Methyl impurity          | VS-T012004 | 139911-29-8  |
| 24370 | Tavaborole Stage-I impurity         | VS-T012005 | 202865-66-5  |
| 24371 | Tavaborole Dimer Impurity           | VS-T012006 | NA           |
| 24372 | Tavaborole Stage-II impurity        | VS-T012007 | 1839665-96-1 |
| 24373 | Tavaborole Impurity 2               | VS-T012008 | 1184915-45-4 |
| 24374 | Tazarotene                          | VS-T013000 | 118292-40-3  |
| 24375 | Tazarotene Sulfoxide                | VS-T013001 | 864841-56-5  |
| 24376 | 6-Bromo-4,4-dimethylthiochroman     | VS-T013002 | 112110-44-8  |
| 24377 | Ethyl 6-chloronicotinate            | VS-T013003 | 49608-01-7   |
| 24378 | Tazaalcohol                         | VS-T013004 | N/A          |
| 24379 | Tazaacetylene                       | VS-T013005 | 118292-06-1  |
| 24380 | Tazarotene Thiochromane Dimer       | VS-T013006 | 1010805-73-8 |

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|-------|-------------------------------------|------------|--------------|
| 24381 | Tazarotenic Acid                    | VS-T013007 | 118292-41-4  |
| 24382 | Tazarotenic Acid Methyl Ester       | VS-T013008 | 1332579-70-0 |
| 24383 | Tazarotenic Acid Sulfoxide          | VS-T013009 | 603952-64-3  |
| 24384 | Tazarotene Sulfone                  | VS-T013010 | 1262228-27-2 |
| 24385 | Tazobactam Sodium                   | VS-T014001 | 89785-84-2   |
| 24386 | Tazobactam USP Related Compound A   | VS-T014002 | 118175-11-4  |
| 24387 | Tebipenem Pivoxil                   | VS-T015000 | 161715-24-8  |
| 24388 | Tebipenem Pivoxil Impurity 1        | VS-T015001 | 96-53-7      |
| 24389 | Tecovirimat                         | VS-T016000 | 869572-92-9  |
| 24390 | Tegaserod                           | VS-T017000 | 145158-71-0  |
| 24391 | Tegoprazan                          | VS-T018000 | 942195-55-3  |
| 24392 | Tegoprazan Impurity 1               | VS-T018001 | 39269-74-4   |
| 24393 | Tegoprazan Impurity 2               | VS-T018002 | 1640981-02-7 |
| 24394 | Tegoprazan Impurity 3               | VS-T018003 | 1640981-16-3 |
| 24395 | Tegoprazan Impurity 4               | VS-T018004 | 1640981-19-6 |
| 24396 | Tegoprazan Impurity 5               | VS-T018005 | 1640981-20-9 |
| 24397 | Tegoprazan Impurity 6               | VS-T018006 | 2713-34-0    |
| 24398 | Tegoprazan Impurity 7               | VS-T018007 | 844648-22-2  |
| 24399 | Tegoprazan Impurity 8               | VS-T018008 | 1270294-05-7 |
| 24400 | Tegoprazan Impurity 9               | VS-T018009 | 774582-60-4  |
| 24401 | Tegoprazan R-Isomer                 | VS-T018010 | 942195-56-4  |
| 24402 | Tegoprazan Impurity 10              | VS-T018011 | 942195-91-7  |
| 24403 | Tegoprazan Impurity 11              | VS-T018012 | 844648-19-7  |
| 24404 | Tegoprazan Impurity 12              | VS-T018013 | 1111086-20-4 |
| 24405 | Tegoprazan Impurity 13              | VS-T018014 | 627-30-5     |
| 24406 | Telmisartan                         | VS-T019000 | 144701-48-4  |
| 24407 | Telmisartan EP Impurity A           | VS-T019001 | 152628-02-9  |
| 24408 | Telmisartan EP Impurity B           | VS-T019002 | 1026353-20-7 |
| 24409 | Telmisartan EP Impurity C           | VS-T019003 | 144702-26-1  |
| 24410 | Telmisartan EP Impurity E           | VS-T019004 | 884330-12-5  |
| 24411 | Telmisartan EP Impurity F           | VS-T019005 | 915124-86-6  |
| 24412 | Telmisartan EP Impurity G           | VS-T019006 | 144702-27-2  |
| 24413 | Telmisartan EP Impurity H           | VS-T019007 | 114772-40-6  |
| 24414 | Telmisartan Methyl Ester            | VS-T019008 | 528560-93-2  |
| 24415 | Telmisartan Ethyl Ester             | VS-T019009 | 528560-94-3  |
| 24416 | Telmisartan Isomer t-Butyl Ester    | VS-T019010 | 1026438-56-1 |
| 24417 | Telmisartan N-Desmethyl Impurity    | VS-T019011 | 144701-81-5  |
| 24418 | Telmisartan Benzimidazole Acid      | VS-T019012 | 152628-03-0  |
| 24419 | Telmisartan Bromo Acid              | VS-T019013 | 150766-86-2  |
| 24420 | Telmisartan Bromo Amide             | VS-T019014 | 147404-72-6  |
| 24421 | Telmisartan Bromo Ethyl Ester       | VS-T019015 | 133085-87-7  |
| 24422 | Telmisartan Bromo Methyl Ester      | VS-T019016 | 114772-38-2  |
| 24423 | Telmisartan Bromo Nitrile Impurity  | VS-T019017 | 114772-54-2  |
| 24424 | Dibenzimidazole N-Desmethyl         | VS-T019018 | 884330-09-0  |
| 24425 | Dimmer Acid Impurity Of Telmisartan | VS-T019019 | 884330-14-7  |
| 24426 | Telmisartan Chloro Impurity         | VS-T019020 | 885045-90-9  |
| 24427 | Telmisartan Impuroty B Methyl Ester | VS-T019021 | 1338830-37-7 |

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|-------|-----------------------------------------------|------------|--------------|
| 24428 | Methyl 2-(p-Tolyl)benzoate                    | VS-T019022 | 114772-34-8  |
| 24429 | 1,3-Dibromo-5,5-dimethylhydantoin             | VS-T019023 | 77-48-5      |
| 24430 | Azobisisobutyronitrile                        | VS-T019024 | 764-28-3     |
| 24431 | Telmisartan Dibromo Impurity                  | VS-T019025 | 1352492-08-0 |
| 24432 | Telmisartan Positional Isomer                 | VS-T019026 | 1338830-39-9 |
| 24433 | Debenzoic Acid Bromotelmisartan               | VS-T019027 | 1004548-55-3 |
| 24434 | Telmisartan Impurity 1                        | VS-T019028 | 152628-01-8  |
| 24435 | Telmisartan Impurity 2                        | VS-T019029 | 612-28-2     |
| 24436 | Telmisartan Impurity 3                        | VS-T019030 | 25148-68-9   |
| 24437 | Telmisartan Impurity 4                        | VS-T019031 | 1493-27-2    |
| 24438 | Telmisartan Impurity 5                        | VS-T019032 | 884330-10-3  |
| 24439 | Telmisartan Impurity 6                        | VS-T019033 | 884330-08-9  |
| 24440 | Telmisartan Impurity 7                        | VS-T019034 | 136304-93-3  |
| 24441 | Telmisartan Impurity 8                        | VS-T019035 | 675882-71-0  |
| 24442 | Telmisartan Impurity 9                        | VS-T019036 | 152628-00-7  |
| 24443 | Telmisartan Impurity 10                       | VS-T019037 | 959987-48-5  |
| 24444 | Telmisartan Impurity 11                       | VS-T019038 | 1016696-74-4 |
| 24445 | Telmisartan Impurity 12                       | VS-T019039 | N/A          |
| 24446 | Telmisartan Impurity 13                       | VS-T019040 | 301533-59-5  |
| 24447 | Telmisartan Impurity 14                       | VS-T019041 | N/A          |
| 24448 | Telmisartan Impurity 15                       | VS-T019042 | N/A          |
| 24449 | Telmisartan Impurity 16                       | VS-T019043 | 128-08-5     |
| 24450 | Telmisartan Impurity 17                       | VS-T019044 | 7148-03-0    |
| 24451 | Telmisartan-d3                                | VS-T019045 | 1189889-44-8 |
| 24452 | Telmisartan Sodium                            | VS-T019046 | 515815-47-1  |
| 24453 | Telmisartan Dibromo Acid Impurity             | VS-T019047 | 1797894-62-2 |
| 24454 | Telmisartan Impurity 18                       | VS-T019048 | 885046-20-8  |
| 24455 | N-Nitroso Telmisartan EP Impurity A           | VS-T019049 | NA           |
| 24456 | Telmisartan N-Nitroso N-Desmethyl Impurity    | VS-T019050 | NA           |
| 24457 | Telotristate Ethyl                            | VS-T020000 | 1033805-22-9 |
| 24458 | Temozolomide                                  | VS-T021000 | 85622-93-1   |
| 24459 | Temozolomide USP Related Compound A           | VS-T021001 | 7008-85-7    |
| 24460 | Temozolomide EP Impurity A                    | VS-T021002 | 72-40-2      |
| 24461 | Temozolomide USP Related Compound B           | VS-T021003 | 13114-72-2   |
| 24462 | Temozolomide EP Impurity B                    | VS-T021004 | 113942-30-6  |
| 24463 | Temozolomide USP Related Compound C           | VS-T021005 | 83-01-2      |
| 24464 | Temozolomide EP Impurity C                    | VS-T021006 | 114601-31-9  |
| 24465 | Temozolomide Impurity                         | VS-T021007 | 188612-53-5  |
| 24466 | Temozolamide Impurity E                       | VS-T021008 | 4656-86-4    |
| 24467 | Decarbazine Lactose Adduct                    | VS-T021009 | N/A          |
| 24468 | Monomethyl Triaizeno Imidazole Carboxamide    | VS-T021010 | 3413-72-7    |
| 24469 | 5-Aminoimidazole-4-Carboxamide Lactose Adduct | VS-T021011 | N/A          |
| 24470 | Temozolomide Impurity 1                       | VS-T021012 | 6285-64-9    |
| 24471 | Temsirolimus                                  | VS-T022000 | 162635-04-3  |
| 24472 | Temsirolimus Impurity 1                       | VS-T022001 | 408321-08-4  |
| 24473 | Temsirolimus Impurity 2                       | VS-T022002 | 1027067-40-8 |
| 24474 | Teneligliptin                                 | VS-T023000 | 760937-92-6  |

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| 24475 | Teneligliptin HBr                                      | VS-T023001 | 906093-29-6  |
| 24476 | Teneligliptin (2R,4R)-Isomer                           | VS-T023002 | N/A          |
| 24477 | Teneligliptin (2S,4R)-Isomer                           | VS-T023003 | N/A          |
| 24478 | Teneligliptin (2R,4S)-Isomer                           | VS-T023004 | N/A          |
| 24479 | Teneligliptin Impurity C                               | VS-T023005 | 401564-34-9  |
| 24480 | Teneligliptin Impurity E                               | VS-T023006 | N/A          |
| 24481 | Teneligliptin Impurity F DiHCl                         | VS-T023007 | N/A          |
| 24482 | Teneligliptin Impurity G Di-Trifluoroacetate           | VS-T023008 | N/A          |
| 24483 | Teneligliptin Sulfoxide Hydrochloride                  | VS-T023009 | N/A          |
| 24484 | Teneligliptin Hydrobromide Hydrate                     | VS-T023010 | 1572583-29-9 |
| 24485 | Teneligliptin Impurity 1                               | VS-T023011 | N/A          |
| 24486 | Teneligliptin Impurity 2                               | VS-T023012 | N/A          |
| 24487 | Teneligliptin Impurity 3                               | VS-T023013 | N/A          |
| 24488 | Teneligliptin Impurity 4                               | VS-T023014 | N/A          |
| 24489 | Teneligliptin Impurity 5                               | VS-T023015 | N/A          |
| 24490 | Teneligliptin Impurity 6                               | VS-T023016 | 1415908-67-6 |
| 24491 | Teneligliptin Impurity 7                               | VS-T023017 | N/A          |
| 24492 | Teneligliptin Impurity A                               | VS-T023018 | 401566-79-8  |
| 24493 | Teneligliptin Impurity B                               | VS-T023019 | 401566-80-1  |
| 24494 | Teneligliptin Impurity 8                               | VS-T023020 | N/A          |
| 24495 | Teneligliptin Impurity 9                               | VS-T023021 | 2509095-14-9 |
| 24496 | Teneligliptin Impurity 10                              | VS-T023022 | 401564-36-1  |
| 24497 | Teneligliptin Impurity 11                              | VS-T023023 | 1821705-03-6 |
| 24498 | Teneligliptin Impurity 12                              | VS-T023024 | 328410-01-1  |
| 24499 | Teneligliptin R-Isomer                                 | VS-T023025 | 1404559-17-6 |
| 24500 | Teneligliptin Hydrobromide Hydrate (R-Isomer)          | VS-T023026 | N/A          |
| 24501 | Tenofovir                                              | VS-T024000 | 147127-20-6  |
| 24502 | Tenofovir (R)-Propanol Impurity                        | VS-T024001 | 14047-28-0   |
| 24503 | Tenofovir (S)-Isomer                                   | VS-T024002 | 147127-19-3  |
| 24504 | Tenofovir (S)-Propanol Impurity                        | VS-T024003 | 14047-27-9   |
| 24505 | Tenofovir Desmethyl Impurity                           | VS-T024004 | 106941-25-7  |
| 24506 | Tenofovir Diethyl Ester (R)-Isomer                     | VS-T024005 | 180587-75-1  |
| 24507 | Tenofovir Diethyl Ester (S)-Isomer                     | VS-T024006 | 1217630-57-3 |
| 24508 | Tenofovir Disoproxil Fumarate IP Impurity D            | VS-T024007 | 211364-69-1  |
| 24509 | Tenofovir Disoproxil Fumarate IP Impurity E            | VS-T024008 | 1244022-56-7 |
| 24510 | Tenofovir Disoproxil Related Compound F                | VS-T024009 | 1422284-17-0 |
| 24511 | Tenofovir Disoproxil Fumarate IP Impurity G            | VS-T024010 | 1280130-08-6 |
| 24512 | Tenofovir Disoproxil Fumarate IP Impurity G (Fumarate) | VS-T024011 | 1432630-26-6 |
| 24513 | Tenofovir Disoproxil Related Compound G                | VS-T024012 | 1884329-63-8 |
| 24514 | Tenofovir Disoproxil USP Related Compound G            | VS-T024013 | 1422284-15-8 |
| 24515 | Tenofovir Disoproxil Fumarate IP Impurity H            | VS-T024014 | 1217542-13-6 |
| 24516 | Tenofovir Disoproxil Carbamate (Related Compound H)    | VS-T024015 | 1244022-54-5 |
| 24517 | Tenofovir Disoproxil Fumarate USP RC J                 | VS-T024016 | 1246812-23-6 |
| 24518 | Tenofovir Disoproxil Fumarate IP Impurity K            | VS-T024017 | 4121-40-8    |
| 24519 | Tenofovir Disoproxil Fumarate IP Impurity L            | VS-T024018 | N/A          |
| 24520 | Tenofovir Disoproxil Desmethyl Fumarate                | VS-T024019 | 1798422-29-3 |
| 24521 | Tenofovir Disoproxil Dimer                             | VS-T024020 | 1093279-76-5 |

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| 24522 | Tenofovir Disoproxil Fumarate                                 | VS-T024021 | 202138-50-9  |
| 24523 | Tenofovir Ethanol Impurity                                    | VS-T024022 | 707-99-3     |
| 24524 | Tenofovir Alafenamide                                         | VS-T024023 | 379270-37-8  |
| 24525 | Tenofovir Disoproxil Maleate                                  | VS-T024024 | 1276030-80-8 |
| 24526 | Tenofovir monophosphate                                       | VS-T024025 | 206646-04-0  |
| 24527 | Tenofovir Diphosphate                                         | VS-T024026 | 166403-66-3  |
| 24528 | Desmethyl Tenofovir Disoproxil                                | VS-T024027 | 365417-53-4  |
| 24529 | Diisopropyl Tenofovir Fumarate                                | VS-T024028 | N/A          |
| 24530 | Diethylaminocarboxymethyl POC Tenofovir Fumarate              | VS-T024029 | N/A          |
| 24531 | Mono-POC Methyl Tenofovir Fumarate (Mixture of Diastereomers) | VS-T024030 | N/A          |
| 24532 | Mono-POC Tenofovir Fumarate Salt                              | VS-T024031 | N/A          |
| 24533 | 6N-Hydroxymethyl Tenofovir Disoproxil                         | VS-T024032 | 1244022-53-4 |
| 24534 | Ethyl Tenofovir Impurity                                      | VS-T024033 | 1796545-19-1 |
| 24535 | Isopropyl Tenofovir                                           | VS-T024034 | 1346597-36-1 |
| 24536 | n-POC-POC Tenofovir Fumarate                                  | VS-T024035 | N/A          |
| 24537 | Mono-POC Ethyl Tenofovir                                      | VS-T024036 | 1796539-92-8 |
| 24538 | Tenofovir Alafenamide Fumarate                                | VS-T024037 | 1392275-56-7 |
| 24539 | rac-Tenofovir Disoproxil Related Compound G Fumarate          | VS-T024038 | N/A          |
| 24540 | Tenofovir Disoproxil Fumarate Impurity(N6-CH2OH-POC PMPA)     | VS-T024039 | 1244022-55-6 |
| 24541 | Tenofovir Adenine impurity                                    | VS-T024040 | 73-24-5      |
| 24542 | Tenofovir 9-Propenyl Impurity                                 | VS-T024041 | 4121-39-5    |
| 24543 | Tenofovir Dimer                                               | VS-T024042 | N/A          |
| 24544 | Tri-POC Tenofovir Dimer                                       | VS-T024043 | 1093279-77-6 |
| 24545 | Tenofovir Mono POC Dimer                                      | VS-T024044 | 1962114-92-6 |
| 24546 | Ethyl Impurity                                                | VS-T024045 | N/A          |
| 24547 | Tenofovir Mono ester Impurity (Fumarate)                      | VS-T024046 | 1534434-02-0 |
| 24548 | Tenofovir Alafenamide Enantiomer (SRR)                        | VS-T024047 | N/A          |
| 24549 | Tenofovir Alafenamide O-Desphenyl Impurity                    | VS-T024048 | 376633-26-0  |
| 24550 | Tenofovir Disoproxil T5 Impurity                              | VS-T024049 | N/A          |
| 24551 | Tenofovir Disoproxil T7 Impurity                              | VS-T024050 | N/A          |
| 24552 | Tenofovir Disoproxil T8 Impurity                              | VS-T024051 | N/A          |
| 24553 | Tenofovir Disoproxil T11 Impurity                             | VS-T024052 | N/A          |
| 24554 | Tenofovir Disoproxil T12 Impurity                             | VS-T024053 | 2190486-86-1 |
| 24555 | Tenofovir Alafenamide Imine impurity                          | VS-T024054 | N/A          |
| 24556 | Tenofovir Imine Impurity                                      | VS-T024055 | N/A          |
| 24557 | Tenofovir Alafenamide N-hydroxy methyl impurity               | VS-T024056 | N/A          |
| 24558 | Tenofovir Dimer                                               | VS-T024057 | 1962114-87-9 |
| 24559 | Des-Phenol Tenofovir Alafenamide Dimer                        | VS-T024058 | N/A          |
| 24560 | Tenofovir Alafenamide N-hydroxy methyl methoxy impurity       | VS-T024059 | N/A          |
| 24561 | Tenofovir Alafenamide Dimer impurity                          | VS-T024060 | N/A          |
| 24562 | Des-Phenol Tenofovir Alafenamide Imine Impurity               | VS-T024061 | N/A          |
| 24563 | Des-Phenol Tenofovir Alafenamide+Tenofovir Alafenamide Dimer  | VS-T024062 | N/A          |
| 24564 | Tenofovir Alafenamide Glycosamine product                     | VS-T024063 | N/A          |
| 24565 | Tenofovir Alafenamide Amadori Rearrangement product           | VS-T024064 | N/A          |
| 24566 | Mono-POC Isopropyl Tenofovir                                  | VS-T024065 | 1246812-40-7 |
| 24567 | Tenofovir Methyl Ester                                        | VS-T024066 | 390409-27-5  |
| 24568 | Tenofovir Related Compound 1                                  | VS-T024067 | 342631-41-8  |

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| 24569 | Tenofovir Related Compound 2       | VS-T024068 | 379270-35-6  |
| 24570 | Tenofovir Related Compound 3       | VS-T024069 | 52364-31-5   |
| 24571 | Tenofovir Related Compound 4       | VS-T024070 | 851456-00-3  |
| 24572 | Tenofovir Related Compound 6 (RRS) | VS-T024071 | N/A          |
| 24573 | Tenofovir Related Compound 7       | VS-T024072 | 79487-89-1   |
| 24574 | Tenofovir Related Compound 8       | VS-T024073 | 1883563-86-7 |
| 24575 | Tenofovir Related Compound 10      | VS-T024074 | 16958-60-4   |
| 24576 | Tenofovir Related Compound 12      | VS-T024075 | N/A          |
| 24577 | Tenofovir Related Compound 14      | VS-T024076 | 1244022-52-3 |
| 24578 | Tenofovir Related Compound 15      | VS-T024077 | 1796539-83-7 |
| 24579 | Tenofovir Trimer Impurity 1        | VS-T024078 | N/A          |
| 24580 | Tenofovir Trimer Impurity 2        | VS-T024079 | N/A          |
| 24581 | Tenofovir Trimer Impurity 3        | VS-T024080 | N/A          |
| 24582 | Tenofovir Trimer Impurity 4        | VS-T024081 | N/A          |
| 24583 | Tenofovir Trimer Impurity 5        | VS-T024082 | N/A          |
| 24584 | Tenofovir Impurity 1               | VS-T024083 | N/A          |
| 24585 | Tenofovir Impurity 35              | VS-T024084 | 1962114-91-5 |
| 24586 | Tenofovir Impurity 36 (RSR)        | VS-T024085 | N/A          |
| 24587 | Tenofovir Impurity 37              | VS-T024086 | 342631-31-6  |
| 24588 | Tenofovir Impurity 38              | VS-T024087 | N/A          |
| 24589 | Tenofovir Impurity 39 (RRR)        | VS-T024088 | N/A          |
| 24590 | Tenofovir Impurity 40 (SSS)        | VS-T024089 | N/A          |
| 24591 | Tenofovir Impurity 41 (SRS)        | VS-T024090 | N/A          |
| 24592 | Tenofovir Impurity 42              | VS-T024091 | N/A          |
| 24593 | Tenofovir Impurity 43              | VS-T024092 | N/A          |
| 24594 | Tenofovir Impurity 44              | VS-T024093 | N/A          |
| 24595 | Tenofovir Impurity 45              | VS-T024094 | N/A          |
| 24596 | Tenofovir Impurity 46              | VS-T024095 | N/A          |
| 24597 | Tenofovir Impurity 47              | VS-T024096 | N/A          |
| 24598 | Iso-Propyl p-Toluenesulfonate      | VS-T024097 | 2307-69-9    |
| 24599 | Tenofovir Impurity 49              | VS-T024098 | N/A          |
| 24600 | Tenofovir Impurity 50              | VS-T024099 | N/A          |
| 24601 | Tenofovir Impurity 51              | VS-T024100 | N/A          |
| 24602 | Tenofovir Impurity 52              | VS-T024101 | N/A          |
| 24603 | Tenofovir Impurity 53              | VS-T024102 | 50615-40-2   |
| 24604 | Tenofovir Impurity 54              | VS-T024103 | N/A          |
| 24605 | Tenofovir Impurity 55              | VS-T024104 | 390409-48-0  |
| 24606 | Tenofovir Impurity 56 (SSR)        | VS-T024105 | N/A          |
| 24607 | Tenofovir Impurity 57              | VS-T024106 | N/A          |
| 24608 | Tenofovir Impurity 58              | VS-T024107 | N/A          |
| 24609 | Tenofovir Impurity 59              | VS-T024108 | N/A          |
| 24610 | Tenofovir Impurity 60              | VS-T024109 | N/A          |
| 24611 | Tenofovir Impurity 61              | VS-T024110 | N/A          |
| 24612 | Tenofovir Impurity 62              | VS-T024111 | N/A          |
| 24613 | Tenofovir Impurity 63              | VS-T024112 | 2251049-94-0 |
| 24614 | Tenofovir Impurity 64              | VS-T024113 | N/A          |
| 24615 | Tenofovir Impurity 65              | VS-T024114 | 161760-03-8  |



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| 24616 | Tenofovir Impurity 66                       | VS-T024115 | 31618-90-3    |
| 24617 | Tenofovir Impurity 67                       | VS-T024116 | N/A           |
| 24618 | MOC-POC Tenofovir                           | VS-T024117 | 1246812-43-0  |
| 24619 | Tenofovir Hydrate                           | VS-T024118 | 206184-49-8   |
| 24620 | Tenofovir Dimer Triethylammonium Salt       | VS-T024119 | N/A           |
| 24621 | N-Acetyl adenine                            | VS-T024120 | 05-09-43      |
| 24622 | Tenofovir Disoproxil Fumarate IP Impurity I | VS-T024121 | N/A           |
| 24623 | Tenofovir Alafenamide Enantiomer            | VS-T024122 | 379270-37-819 |
| 24624 | Tenofovir Alafenamide Rp Enantiomer         | VS-T024123 | N/A           |
| 24625 | Chloromethyl Isopropyl Carbonate            | VS-T024124 | 35180-01-9    |
| 24626 | Tenofovir Mono ester Impurity               | VS-T024125 | N/A           |
| 24627 | Tenofovir Isopropyl impurity (fumarate)     | VS-T024126 | N/A           |
| 24628 | Tenofovir Carbonyl impurity                 | VS-T024127 | N/A           |
| 24629 | S-isomer (Chiral) impurity                  | VS-T024128 | N/A           |
| 24630 | Fumaric Acid                                | VS-T024129 | 110-17-8      |
| 24631 | Tenofovir Dimer Sodium Salt                 | VS-T024130 | N/A           |
| 24632 | Chloromethyl Methyl Carbonate               | VS-T024131 | 40510-81-4    |
| 24633 | Diisopropyl carbonate                       | VS-T024132 | 6482-34-4     |
| 24634 | Chloromethyl Ethyl Carbonate                | VS-T024133 | 35179-98-7    |
| 24635 | Chloromethyl Propyl Carbonate               | VS-T024134 | 35273-90-6    |
| 24636 | Dichloromethyl Isopropyl Carbonate          | VS-T024135 | NA            |
| 24637 | Chloromethyl Diethylcarbamate               | VS-T024136 | 133217-92-2   |
| 24638 | Tenoxicam                                   | VS-T025000 | 59804-37-4    |
| 24639 | Tenoxicam EP Impurity A                     | VS-T025001 | 504-29-0      |
| 24640 | Tenoxicam EP Impurity B                     | VS-T025002 | 59804-25-0    |
| 24641 | Tenoxicam EP Impurity C                     | VS-T025003 | 39880-77-8    |
| 24642 | Tenoxicam EP Impurity D                     | VS-T025004 | 52781-01-8    |
| 24643 | Tenoxicam EP Impurity E                     | VS-T025005 | 94040-09-2    |
| 24644 | Tenoxicam EP Impurity F                     | VS-T025006 | N/A           |
| 24645 | Tenoxicam EP Impurity G                     | VS-T025007 | 105410-48-8   |
| 24646 | Tenoxicam EP Impurity H                     | VS-T025008 | 64527-92-0    |
| 24647 | Tenoxicam Impurity 1                        | VS-T025009 | 98827-44-2    |
| 24648 | Tenoxicam Impurity 2                        | VS-T025010 | 1333316-61-2  |
| 24649 | Terazosin HCl                               | VS-T026000 | 63074-08-8    |
| 24650 | Terazosin Hydrochloride Dihydrate           | VS-T026001 | 70024-40-7    |
| 24651 | Terazosin EP Impurity A                     | VS-T026002 | 23680-84-4    |
| 24652 | Terazosin EP Impurity B                     | VS-T026003 | 1177261-73-2  |
| 24653 | Terazosin EP Impurity C                     | VS-T026004 | 60547-97-9    |
| 24654 | Terazosin EP Impurity D                     | VS-T026005 | 102714-74-9   |
| 24655 | Terazosin EP Impurity E                     | VS-T026006 | 102839-00-9   |
| 24656 | Terazosin EP Impurity F                     | VS-T026007 | 109678-71-9   |
| 24657 | Terazosin EP Impurity G                     | VS-T026008 | 105356-89-6   |
| 24658 | Terazosin EP Impurity H                     | VS-T026009 | 105356-90-9   |
| 24659 | Terazosin EP Impurity I                     | VS-T026010 | 1177261-85-6  |
| 24660 | Terazosin EP Impurity J                     | VS-T026011 | 152551-75-2   |
| 24661 | Terazosin EP Impurity K                     | VS-T026012 | 19237-84-4    |
| 24662 | Terazosin EP Impurity L                     | VS-T026013 | 40172-95-0    |

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| 24663 | Terazosin EP Impurity M           | VS-T026014 | 31350-27-3   |
| 24664 | Terazosin EP Impurity N           | VS-T026015 | 63074-07-7   |
| 24665 | Terazosin EP Impurity O           | VS-T026016 | 547730-06-3  |
| 24666 | Terazosin Impurity 1              | VS-T026017 | 664347-52-8  |
| 24667 | Terazosin Impurity 2              | VS-T026018 | 60547-96-8   |
| 24668 | Terazosin                         | VS-T026019 | 63590-64-7   |
| 24669 | Terbinafine                       | VS-T027000 | 91161-71-6   |
| 24670 | Terbinafine Hydrochloride         | VS-T027001 | 78628-80-5   |
| 24671 | Terbinafine N-Oxide               | VS-T027002 | N/A          |
| 24672 | Terbinafine EP Impurity A (HCl)   | VS-T027003 | 65473-13-4   |
| 24673 | Terbinafine EP Impurity B         | VS-T027004 | 176168-78-8  |
| 24674 | Terbinafine EP Impurity C         | VS-T027005 | 187540-01-8  |
| 24675 | Terbinafine EP Impurity D         | VS-T027006 | 151222-50-3  |
| 24676 | Terbinafine EP Impurity E         | VS-T027007 | N/A          |
| 24677 | Terbinafine EP Impurity F         | VS-T027008 | 926281-74-5  |
| 24678 | Terbinafine Related Compound 1    | VS-T027009 | 98978-50-8   |
| 24679 | Terbinafine Related Compound 2    | VS-T027010 | 76532-33-7   |
| 24680 | Terbinafine Related Compound 3    | VS-T027011 | 635708-74-6  |
| 24681 | Terbinafine Related Compound 4    | VS-T027012 | 173200-56-1  |
| 24682 | Terbinafine Related Compound 5    | VS-T027013 | 138139-82-9  |
| 24683 | Terbinafine Related Compound 6    | VS-T027014 | 126764-17-8  |
| 24684 | Terbinafine Related Compound 7    | VS-T027015 | 2514708-08-6 |
| 24685 | Terbinafine Impurity 1            | VS-T027016 | 134274-69-4  |
| 24686 | Terbinafine Impurity 2            | VS-T027017 | 704909-67-1  |
| 24687 | Terbinafine Impurity 3            | VS-T027018 | N/A          |
| 24688 | Terbinafine Impurity 4            | VS-T027019 | 123944-73-0  |
| 24689 | Terbinafine Impurity 5            | VS-T027020 | 99802-54-7   |
| 24690 | Terbinafine Impurity B            | VS-T027021 | 78628-81-6   |
| 24691 | Terbinafine Impurity C HCl        | VS-T027022 | 877265-30-0  |
| 24692 | Terbinafine Impurity D HCl        | VS-T027023 | 877265-33-3  |
| 24693 | TERBINAFINE EP IMPURITY A         | VS-T027024 | 14489-75-9   |
| 24694 | N-Nitroso N-Desmethyl Terbinafine | VS-T027025 | NA           |
| 24695 | Terbinafine Nitroso Impurity 1    | VS-T027026 | NA           |
| 24696 | Terbutaline Sulfate               | VS-T028001 | 23031-25-6   |
| 24697 | Terbutaline EP Impurity A         | VS-T028002 | 99-10-5      |
| 24698 | Terbutaline EP Impurity B         | VS-T028003 | 94120-05-5   |
| 24699 | Terbutaline EP Impurity C         | VS-T028004 | 139508-58-0  |
| 24700 | Terbutaline EP Impurity D         | VS-T028005 | 94109-61-2   |
| 24701 | Terbutaline Impurity 2            | VS-T028006 | 857527-75-4  |
| 24702 | Terbutaline Impurity 3            | VS-T028007 | 26153-38-8   |
| 24703 | Terbutaline Impurity 4            | VS-T028008 | 28924-25-6   |
| 24704 | Terbutaline Impurity 5            | VS-T028009 | 71324-19-1   |
| 24705 | Terbutaline Impurity 6            | VS-T028010 | 52144-90-8   |
| 24706 | Terbutaline Impurity 7            | VS-T028011 | 30923-82-1   |
| 24707 | Terbutaline Impurity 8            | VS-T028012 | N/A          |
| 24708 | Terconazole                       | VS-T029000 | 67915-31-5   |
| 24709 | Terconazole EP Impurity A         | VS-T029001 | 905807-90-1  |

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| 24710 | Terconazole EP Impurity B                  | VS-T029002 | N/A          |
| 24711 | Terephthalic Acid                          | VS-T030000 | 100-21-0     |
| 24712 | Dimethyl Terephthalate                     | VS-T030001 | 120-61-6     |
| 24713 | Terephthalic Acid Impurity 5               | VS-T030002 | 23358-95-4   |
| 24714 | Terephthalic Acid Impurity 7               | VS-T030003 | 29278-67-9   |
| 24715 | Terephthalic Acid Impurity 3               | VS-T030004 | N/A          |
| 24716 | Terephthalic Acid Impurity 1               | VS-T030005 | 210566-87-3  |
| 24717 | Terephthalic Acid Impurity 2               | VS-T030006 | 210566-88-4  |
| 24718 | Teriflunomide                              | VS-T031000 | 163451-81-8  |
| 24719 | Teriflunomide Impurity A                   | VS-T031001 | 202057-74-7  |
| 24720 | Teriflunomide Meta Impurity                | VS-T031002 | N/A          |
| 24721 | Teriflunomide Para Impurity                | VS-T031003 | N/A          |
| 24722 | Teriflunomide Ortho Impurity               | VS-T031004 | N/A          |
| 24723 | (E)-Teriflunomide                          | VS-T031005 | 214782-56-6  |
| 24724 | 4-aminoimidazole-5-thiocarboxamide         | VS-T031006 | 19208-58-3   |
| 24725 | 4-(3-Trifluoromethoxyphenyl)benzoic Acid   | VS-T031007 | 1093758-81-6 |
| 24726 | Teriflunomide Impurity 1                   | VS-T031008 | 208401-20-1  |
| 24727 | Teriflunomide Impurity 2                   | VS-T031009 | 69066-42-8   |
| 24728 | Teriflunomide Impurity 3                   | VS-T031010 | 1011244-72-6 |
| 24729 | Teriflunomide Impurity 4                   | VS-T031011 | 2366-92-9    |
| 24730 | Teriflunomide Impurity 5                   | VS-T031012 | 1980063-54-4 |
| 24731 | Teriflunomide Impurity 6                   | VS-T031013 | 724429-16-7  |
| 24732 | Teriflunomide Impurity 7                   | VS-T031014 | 106-49-0     |
| 24733 | Teriflunomide Impurity 8                   | VS-T031015 | 61865-29-0   |
| 24734 | Teriflunomide Impurity 9                   | VS-T031016 | 3788-94-1    |
| 24735 | Teriflunomide Impurity 10                  | VS-T031017 | 39885-50-2   |
| 24736 | Teriflunomide Impurity 12                  | VS-T031018 | 75706-12-6   |
| 24737 | Teriflunomide Impurity 14                  | VS-T031019 | 171171-44-1  |
| 24738 | Teriflunomide Impurity 16                  | VS-T031020 | 349-97-3     |
| 24739 | Teriflunomide Impurity 17                  | VS-T031021 | 1385789-70-7 |
| 24740 | Teriflunomide Impurity 18                  | VS-T031022 | 24522-30-3   |
| 24741 | Teriflunomide Impurity 19                  | VS-T031023 | N/A          |
| 24742 | Teriflunomide Impurity 20                  | VS-T031024 | N/A          |
| 24743 | Teriflunomide Impurity 21                  | VS-T031025 | N/A          |
| 24744 | Teriflunomide Impurity 22                  | VS-T031026 | N/A          |
| 24745 | Teriflunomide Impurity 23                  | VS-T031027 | 113629-01-9  |
| 24746 | Teriflunomide Impurity 24                  | VS-T031028 | 220512-86-7  |
| 24747 | Teriflunomide Impurity 25                  | VS-T031029 | N/A          |
| 24748 | 1,3-Bis[4-(trifluoromethyl)phenyl]urea     | VS-T031030 | 1960-88-9    |
| 24749 | Teriflunamide impurity 27                  | VS-T031031 | 2375015-62-4 |
| 24750 | 1,3-Bis(4-(trifluoromethyl)phenyl)thiourea | VS-T031032 | 1744-07-6    |
| 24751 | Teriflunomide Impurity 34                  | VS-T031033 | 159689-88-0  |
| 24752 | Ternidazole                                | VS-T032000 | 1077-93-6    |
| 24753 | Ternidazole Impurity A                     | VS-T032001 | 1193397-72-6 |
| 24754 | Ternidazole Impurity B                     | VS-T032002 | N/A          |
| 24755 | Testosterone                               | VS-T033000 | 58-22-0      |
| 24756 | Testosterone EP Impurity A                 | VS-T033001 | 63-05-8      |

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| 24757 | Testosterone EP Impurity B                       | VS-T033002 | 972-46-3    |
| 24758 | Testosterone EP Impurity C                       | VS-T033003 | 481-30-1    |
| 24759 | Testosterone EP Impurity E                       | VS-T033004 | 1045-69-8   |
| 24760 | Testosterone EP Impurity G                       | VS-T033005 | 897-06-3    |
| 24761 | Testosterone EP Impurity H                       | VS-T033006 | 846-48-0    |
| 24762 | Testosterone EP Impurity I                       | VS-T033007 | 2484-30-2   |
| 24763 | Testosterone EP Impurity J                       | VS-T033008 | 57144-06-6  |
| 24764 | Testosterone EP Impurity L                       | VS-T033009 | 2398-99-4   |
| 24765 | Testosterone EP Impurity K                       | VS-T033010 | N/A         |
| 24766 | Testosterone EP Impurity M                       | VS-T033011 | 133177-83-0 |
| 24767 | Testosterone Impurity D                          | VS-T033012 | 1156-92-9   |
| 24768 | Testosterone Impurity F                          | VS-T033013 | N/A         |
| 24769 | Testosterone Impurity G                          | VS-T033014 | 119698-27-0 |
| 24770 | Testosterone Impurity E                          | VS-T033015 | 219296-36-3 |
| 24771 | Testosterone Enantate EP Impurity A              | VS-T033016 | 111-14-8    |
| 24772 | Testosterone Enantate EP Impurity B              | VS-T033017 | 10312-45-5  |
| 24773 | Testosterone Enantate EP Impurity F              | VS-T033018 | N/A         |
| 24774 | Testosterone Enantate EP Impurity H              | VS-T033019 | 162890-98-4 |
| 24775 | Testosterone Isocaproate EP Impurity G           | VS-T033020 | N/A         |
| 24776 | Testosterone Propionate EP Impurity B            | VS-T033021 | 1169-49-9   |
| 24777 | Testosterone Propionate EP Impurity D            | VS-T033022 | 977-32-2    |
| 24778 | Testosterone Propionate EP Impurity E            | VS-T033023 | 25862-97-9  |
| 24779 | Dehydration Dimer of Testosterone                | VS-T033024 | N/A         |
| 24780 | Androstenedione propyl enol ether                | VS-T033025 | N/A         |
| 24781 | Aldol Condensation Dimer of Testosterone         | VS-T033026 | N/A         |
| 24782 | Testosterone Propyl Enol Ether                   | VS-T033027 | 102945-93-7 |
| 24783 | Testosterone undecanoate                         | VS-T033028 | 5949-44-0   |
| 24784 | 6-Keto-testosterone Cypionate                    | VS-T033029 | N/A         |
| 24785 | Testosterone Enanthate                           | VS-T033030 | 315-37-7    |
| 24786 | Testosterone Benzoate                            | VS-T033031 | 2088-71-3   |
| 24787 | Testosterone 17-Valerate                         | VS-T033032 | 3129-43-9   |
| 24788 | Testosterone Propionate                          | VS-T033033 | 57-85-2     |
| 24789 | Testosterone 17-phenylpropionate                 | VS-T033034 | 1255-49-8   |
| 24790 | Testosterone Decanoate                           | VS-T033035 | 5721-91-5   |
| 24791 | 6 $\beta$ -Hydroxy testosterone                  | VS-T033036 | 62-99-7     |
| 24792 | 11 $\beta$ -Hydroxy testosterone                 | VS-T033037 | 1816-85-9   |
| 24793 | 6 keto testosterone                              | VS-T033038 | 570-94-5    |
| 24794 | 11-Ketotestosterone                              | VS-T033039 | 53187-98-7  |
| 24795 | Androstanolone Heptanoate                        | VS-T033040 | 33776-88-4  |
| 24796 | Androstanolone Heptanoate Impurity 1             | VS-T033041 | 213739-83-4 |
| 24797 | Testosterone Isocaproate                         | VS-T033042 | 15262-86-9  |
| 24798 | 6 $\beta$ -Hydroperoxy-testosterone              | VS-T033043 | 99371-91-2  |
| 24799 | Delta 8,11-Testosterone Impurity                 | VS-T033044 | N/A         |
| 24800 | 6 $\alpha$ -Hydroxytestosterone undecanoate      | VS-T033045 | N/A         |
| 24801 | 6 $\beta$ -Hydroxy testosterone undecanoate      | VS-T033046 | N/A         |
| 24802 | 6 $\alpha$ -Hydroperoxy testosterone undecanoate | VS-T033047 | N/A         |
| 24803 | 6 $\beta$ -Hydroperoxy testosterone undecanoate  | VS-T033048 | N/A         |

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| 24804 | 6-Keto-testosterone undecanoate             | VS-T033049 | N/A         |
| 24805 | Testosterone Dimer                          | VS-T033050 | N/A         |
| 24806 | 6 $\alpha$ -Hydroxy Androstenedione         | VS-T033051 | 24704-84-5  |
| 24807 | 6 $\beta$ -Hydroxy-androst-4-ene-3,17-dione | VS-T033052 | 63-00-3     |
| 24808 | Epiandrosterone                             | VS-T033053 | 481-29-8    |
| 24809 | 6 $\alpha$ -Hydroxytestosterone             | VS-T033054 | 2944-87-8   |
| 24810 | Testosterone Sulphite                       | VS-T033055 | N/A         |
| 24811 | Testosterone Cypionate methyl enol ether    | VS-T033056 | N/A         |
| 24812 | 2 $\alpha$ -Hydroxy Testosterone            | VS-T033057 | 4075-14-3   |
| 24813 | Testosterone Mixture of Isomer              | VS-T033058 | N/A         |
| 24814 | Testosterone Impurity 1                     | VS-T033059 | N/A         |
| 24815 | Testosterone Impurity 2                     | VS-T033060 | 4914-67-9   |
| 24816 | Testosterone Impurity 3                     | VS-T033061 | N/A         |
| 24817 | Testosterone Impurity 4                     | VS-T033062 | 256521-84-3 |
| 24818 | Testosterone Impurity 5                     | VS-T033063 | 03-06-43    |
| 24819 | Testosterone Impurity 6                     | VS-T033064 | 897958-45-1 |
| 24820 | Testosterone Impurity 7                     | VS-T033065 | N/A         |
| 24821 | Testosterone Impurity 8                     | VS-T033066 | 26614-48-2  |
| 24822 | Testosterone Impurity 9                     | VS-T033067 | 95369-50-9  |
| 24823 | Testosterone Impurity 10                    | VS-T033068 | 18841-73-1  |
| 24824 | Testosterone Impurity 11                    | VS-T033069 | 521-18-6    |
| 24825 | Testosterone Cypionate                      | VS-T034000 | 58-20-8     |
| 24826 | Delta-6-Testosterone Cypionate              | VS-T034001 | N/A         |
| 24827 | 6-Keto-testosterone Cypionate               | VS-T034002 | N/A         |
| 24828 | 21-Chlorotestosterone Cypionate             | VS-T034003 | N/A         |
| 24829 | Delta 9(11) Testosterone Cypionate          | VS-T034004 | 122651-11-0 |
| 24830 | Delta 8(9) Testosterone Cypionate           | VS-T034005 | N/A         |
| 24831 | Testosterone 17(E)-3- Cyclo Pentyl Acrylate | VS-T034006 | N/A         |
| 24832 | Tetracaine Hydrochloride                    | VS-T035000 | 136-47-0    |
| 24833 | Tetracaine EP Impurity A                    | VS-T035001 | 150-13-0    |
| 24834 | Tetracaine EP Impurity B                    | VS-T035002 | 4740-24-3   |
| 24835 | Tetracaine EP Impurity C                    | VS-T035003 | 71839-12-8  |
| 24836 | Tetracaine N-Oxide                          | VS-T035004 | 55750-02-2  |
| 24837 | Tetracaine Ortho Isomer Impurity            | VS-T035005 | 1910-63-0   |
| 24838 | 2-Aminobenzoic Acid                         | VS-T035006 | 118-92-3    |
| 24839 | Tetracaine Impurity 1                       | VS-T035007 | N/A         |
| 24840 | Tetracaine Impurity 2                       | VS-T035008 | N/A         |
| 24841 | Tetracaine Impurity 3                       | VS-T035009 | 2169-41-7   |
| 24842 | Tetracaine Impurity 4                       | VS-T035010 | 10012-47-2  |
| 24843 | Tetracaine Impurity 5                       | VS-T035011 | N/A         |
| 24844 | Tetracaine Impurity 9                       | VS-T035012 | 94-25-7     |
| 24845 | Tetracaine Impurity 10                      | VS-T035013 | 18144-47-3  |
| 24846 | Tetracaine                                  | VS-T035014 | 94-24-6     |
| 24847 | Tetracycline Hydrochloride                  | VS-T036001 | 64-75-5     |
| 24848 | Tetracycline EP Impurity A                  | VS-T036002 | 79-85-6     |
| 24849 | Tetracycline EP Impurity B                  | VS-T036003 | 6542-44-5   |
| 24850 | Tetracycline EP Impurity C                  | VS-T036004 | 1665-56-1   |

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| 24851 | Tetracycline EP Impurity D              | VS-T036005 | 7518-17-4    |
| 24852 | Tetryzoline Hydrochloride               | VS-T037000 | 522-48-5     |
| 24853 | Tetryzoline Hydrochloride EP Impurity A | VS-T037001 | 56536-96-0   |
| 24854 | Tetryzoline Hydrochloride Impurity 1    | VS-T037002 | N/A          |
| 24855 | Tezacaftor                              | VS-T038000 | 1152311-62-0 |
| 24856 | O-Benzyl Tezacaftor                     | VS-T038001 | N/A          |
| 24857 | Acetonide O-Benzyl Tezacaftor           | VS-T038002 | N/A          |
| 24858 | Acetonide Tezacaftor                    | VS-T038003 | 1152311-90-4 |
| 24859 | Tezacaftor Acetone Adduct               | VS-T038004 | N/A          |
| 24860 | Tezacaftor Oxazepine Impurity           | VS-T038005 | 1432657-04-9 |
| 24861 | Tezacaftor Enantiomer                   | VS-T038006 | 1152311-99-3 |
| 24862 | Theophylline                            | VS-T039000 | 58-55-9      |
| 24863 | Etofyllin                               | VS-T039001 | 519-37-9     |
| 24864 | Theophylline EP Impurity A              | VS-T039002 | 58-08-2      |
| 24865 | Theophylline EP Impurity B              | VS-T039003 | 1076-22-8    |
| 24866 | Theophylline EP Impurity C              | VS-T039004 | 7597-60-6    |
| 24867 | Theophylline EP Impurity D              | VS-T039005 | 6736-40-9    |
| 24868 | Theophylline EP Impurity E              | VS-T039006 | 944-73-0     |
| 24869 | Theophylline Related Compound D         | VS-T039007 | 116131-08-9  |
| 24870 | Theophylline 7-Acetic Acid              | VS-T039008 | 652-37-9     |
| 24871 | 8-Chlorotheophylline                    | VS-T039009 | 85-18-7      |
| 24872 | 8-Benzyl Theophylline                   | VS-T039010 | 2879-15-4    |
| 24873 | Theophylline Impurity 2                 | VS-T039011 | 5614-53-9    |
| 24874 | Theophylline Impurity 4                 | VS-T039012 | 1174289-18-9 |
| 24875 | Theophylline Impurity 6                 | VS-T039013 | 81781-90-0   |
| 24876 | Theophylline Impurity 7                 | VS-T039014 | 60797-68-4   |
| 24877 | Theophylline Impurity 8                 | VS-T039015 | 5309-70-6    |
| 24878 | Theophylline Impurity 9                 | VS-T039016 | 42772-85-0   |
| 24879 | Theophylline Impurity 10                | VS-T039017 | 40258-78-4   |
| 24880 | Theophylline Impurity 11                | VS-T039018 | 24442-57-7   |
| 24881 | Theophylline Impurity 12                | VS-T039019 | N/A          |
| 24882 | Theophylline Impurity 13                | VS-T039020 | 427895-68-9  |
| 24883 | Theophylline Impurity 14                | VS-T039021 | N/A          |
| 24884 | Thiabendazole                           | VS-T040000 | 148-79-8     |
| 24885 | Thiabendazole EP Impurity A             | VS-T040001 | 95-54-5      |
| 24886 | 3,4-Diaminoanisole                      | VS-T040002 | 59548-39-9   |
| 24887 | Thiamazole                              | VS-T041000 | 60-56-0      |
| 24888 | Thiamazole EP Impurity A                | VS-T041001 | 122-07-6     |
| 24889 | Thiamazole EP Impurity B                | VS-T041002 | 616-47-7     |
| 24890 | Thiamazole EP Impurity C                | VS-T041003 | 14486-52-3   |
| 24891 | Thiazole-2-carboxylic Acid              | VS-T041004 | 14190-59-1   |
| 24892 | Thiamine                                | VS-T042000 | 70-16-6      |
| 24893 | Thiamine EP Impurity A                  | VS-T042001 | 2380-61-2    |
| 24894 | Thiamine EP Impurity B                  | VS-T042002 | N/A          |
| 24895 | Thiamine EP Impurity B (Bromide)        | VS-T042003 | N/A          |
| 24896 | Thiamine EP Impurity C                  | VS-T042004 | 7275-24-3    |
| 24897 | Thiamine EP Impurity D                  | VS-T042005 | 490-82-4     |

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|-------|---------------------------------------------|------------|--------------|
| 24898 | Thiamine EP Impurity E                      | VS-T042006 | 299-35-4     |
| 24899 | Thiamine EP Impurity F                      | VS-T042007 | 02-04-09     |
| 24900 | Thiamine EP Impurity G                      | VS-T042008 | 1037-29-2    |
| 24901 | Thiamine EP Impurity H                      | VS-T042009 | 89285-03-0   |
| 24902 | Thiamine Disulfide                          | VS-T042010 | N/A          |
| 24903 | Thiamine Phosphate                          | VS-T042011 | 532-40-1     |
| 24904 | 4-Methyl-5-Thiazoleethanol                  | VS-T042012 | 137-00-8     |
| 24905 | Toxopyrimidine                              | VS-T042013 | 73-67-6      |
| 24906 | 4-Amino-5-Aminomethyl-2-Mehtyl Pyrimidine   | VS-T042014 | 101080-48-2  |
| 24907 | 4-Hydroxy Thiamine Chloride                 | VS-T042015 | 582-36-5     |
| 24908 | 4-Amino-2-Methylpyrimidine-5-Carboxamide    | VS-T042016 | 7389-14-2    |
| 24909 | Formylaminopyrimidine                       | VS-T042017 | 1886-34-6    |
| 24910 | Thiochrome                                  | VS-T042018 | 92-35-3      |
| 24911 | Aminopyrimidine                             | VS-T042019 | 95-02-3      |
| 24912 | 2'-Nor Thiamine Hydrochloride               | VS-T042020 | 49614-72-4   |
| 24913 | Thiamine Carbinol                           | VS-T042021 | 82326-17-8   |
| 24914 | Thiamine Impurity 1                         | VS-T042022 | 7403-34-1    |
| 24915 | Thiamine Impurity 2                         | VS-T042023 | 769-82-4     |
| 24916 | Thiamine Impurity 3                         | VS-T042024 | N/A          |
| 24917 | Thiamine Impurity 4                         | VS-T042025 | N/A          |
| 24918 | Thiamine Impurity 5                         | VS-T042026 | N/A          |
| 24919 | Thiamine Nitrate                            | VS-T042027 | 532-43-4     |
| 24920 | Thiamine Chloride Hydrochloride             | VS-T042028 | 67-03-8      |
| 24921 | Thiamine Pyrophosphate                      | VS-T042029 | 154-87-0     |
| 24922 | Thiamine Impurity 12                        | VS-T042030 | 2410791-57-8 |
| 24923 | Thiamine Impurity 6                         | VS-T042031 | 2169341-54-0 |
| 24924 | Thiocolchicoside                            | VS-T043000 | 602-41-5     |
| 24925 | Thiocolchicoside Tetraacetate               | VS-T043001 | 163956-01-2  |
| 24926 | Thiocolchicoside EP Impurity A              | VS-T043002 | 64-86-8      |
| 24927 | Thiocolchicoside EP Impurity B              | VS-T043003 | 2730-71-4    |
| 24928 | Thiocolchicoside EP Impurity C              | VS-T043004 | 87424-25-7   |
| 24929 | Thiocolchicoside EP Impurity D              | VS-T043005 | 477-29-2     |
| 24930 | Thiocolchicoside EP Impurity E              | VS-T043006 | 219547-29-2  |
| 24931 | Thiocolchicoside EP Impurity G              | VS-T043007 | 177991-81-0  |
| 24932 | Thiocolchicoside EP Impurity H              | VS-T043008 | N/A          |
| 24933 | Thiocolchicoside EP Impurity J              | VS-T043009 | 1359973-79-7 |
| 24934 | Thiocolchicoside EP Impurity K              | VS-T043010 | N/A          |
| 24935 | Thiocolchicoside EP Impurity L              | VS-T043011 | N/A          |
| 24936 | Thioctic Acid                               | VS-T044000 | 1077-28-7    |
| 24937 | Thioctic Acid EP Impurity A                 | VS-T044001 | 1204245-29-3 |
| 24938 | Thioctic Acid EP Impurity B                 | VS-T044002 | N/A          |
| 24939 | Ethyl 6,8-dichlorooctanoate                 | VS-T044003 | 1070-64-0    |
| 24940 | Alpha Lipoic Acid Ethyl Ester               | VS-T044004 | 46236-19-5   |
| 24941 | 6,8-Dihydroxyoctanoic Acid                  | VS-T044005 | 74903-53-0   |
| 24942 | 6,8-Dimercaptooctanoic Acid                 | VS-T044006 | 462-20-4     |
| 24943 | Thioctic Acid rac-Lipoic Acid Monosulfoxide | VS-T044007 | 108015-78-7  |
| 24944 | Alpha Lipoic Acid Ethyl Ester Impurity      | VS-T044008 | 46353-61-1   |

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| 24945 | Thioctic Acid Impurity 1         | VS-T044009 | N/A          |
| 24946 | $\beta$ -Lipoic Acid             | VS-T044010 | 6992-30-9    |
| 24947 | Monomethyl Adipate               | VS-T044011 | 627-91-8     |
| 24948 | Thioridazine                     | VS-T045000 | 50-52-2      |
| 24949 | Thioridazine EP Impurity A       | VS-T045001 | 100574-22-9  |
| 24950 | Thioridazine EP Impurity B       | VS-T045002 | 5588-33-0    |
| 24951 | Thioridazine EP Impurity C       | VS-T045003 | 08-05-76     |
| 24952 | Thioridazine EP Impurity D       | VS-T045004 | 53926-89-9   |
| 24953 | Thioridazine EP Impurity E       | VS-T045005 | 14759-06-9   |
| 24954 | Thioridazine EP Impurity F       | VS-T045006 | 13002-81-8   |
| 24955 | Thiorphan                        | VS-T046000 | 76721-89-6   |
| 24956 | Thiotepa                         | VS-T047000 | 52-24-4      |
| 24957 | Thiotepa EP Impurity A           | VS-T047001 | 90877-51-3   |
| 24958 | Thiotepa Impurity 1              | VS-T047002 | 62679-38-3   |
| 24959 | Thiotepa Impurity 2              | VS-T047003 | 14056-57-6   |
| 24960 | Thiotepa Impurity 3              | VS-T047004 | 05-08-40     |
| 24961 | Thiotepa Impurity 4              | VS-T047005 | 121258-29-5  |
| 24962 | Thiotepa Impurity 5              | VS-T047006 | N/A          |
| 24963 | Thiotepa Impurity 6              | VS-T047007 | N/A          |
| 24964 | Thiotepa Impurity 7              | VS-T047008 | 545-55-1     |
| 24965 | Thiothixene                      | VS-T048000 | 3313-26-6    |
| 24966 | (E)-Thiothixene                  | VS-T048001 | 3313-27-7    |
| 24967 | Thiothixene Impurity 1           | VS-T048002 | 47681-53-8   |
| 24968 | Thiothixene Impurity 2           | VS-T048003 | 3285-53-8    |
| 24969 | Tiagabine Hydrochloride          | VS-T049001 | 145821-59-6  |
| 24970 | Tiagabine S-Isomer               | VS-T049002 | 145264-34-2  |
| 24971 | Tiagabine USP Related Compound A | VS-T049003 | 145821-60-9  |
| 24972 | Tiagabine keto analog            | VS-T049004 | 161014-55-7  |
| 24973 | Desmethyl Tiagabine              | VS-T049005 | 745762-44-1  |
| 24974 | Tiagabine methyl ester Impurity  | VS-T049006 | 938158-99-7  |
| 24975 | Tiagabine alcohol analog         | VS-T049007 | 847233-27-6  |
| 24976 | Bisthiophenyl methanone          | VS-T049008 | 30717-55-6   |
| 24977 | Tiagabine alcohol mesylate       | VS-T049009 | 847233-13-0  |
| 24978 | Bisthiophenyl tetrahydrofuran    | VS-T049010 | 1253297-73-2 |
| 24979 | Tiagabine diol analog            | VS-T049011 | 2124269-35-6 |
| 24980 | Tiagabine Impurity 1             | VS-T049012 | 2125725-84-8 |
| 24981 | Tiagabine Impurity 4             | VS-T049013 | N/A          |
| 24982 | Tiagabine                        | VS-T049014 | 115103-54-3  |
| 24983 | Tiamulin Fumarate                | VS-T050001 | 55297-96-6   |
| 24984 | Tiamulin EP Impurity A           | VS-T050002 | 6040-37-5    |
| 24985 | Tiamulin EP Impurity B           | VS-T050003 | 7708-55-6    |
| 24986 | Tiamulin EP Impurity C           | VS-T050004 | 589-32-2     |
| 24987 | Tiamulin EP Impurity D           | VS-T050005 | N/A          |
| 24988 | Tiamulin EP Impurity E           | VS-T050006 | N/A          |
| 24989 | Tiamulin EP Impurity F           | VS-T050007 | N/A          |
| 24990 | Tiamulin EP Impurity G           | VS-T050008 | 125-65-5     |
| 24991 | Tiamulin EP Impurity H           | VS-T050009 | N/A          |



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|-------|--------------------------------------------------|------------|--------------|
| 24992 | Tiamulin EP Impurity I                           | VS-T050010 | N/A          |
| 24993 | Tiamulin EP Impurity J                           | VS-T050011 | N/A          |
| 24994 | Tiamulin EP Impurity K                           | VS-T050012 | 31716-11-7   |
| 24995 | Tiamulin EP Impurity L                           | VS-T050013 | 31716-01-5   |
| 24996 | Tiamulin EP Impurity M                           | VS-T050014 | 14431-61-9   |
| 24997 | Tiamulin EP Impurity N                           | VS-T050015 | N/A          |
| 24998 | Tiamulin EP Impurity O                           | VS-T050016 | 100-38-9     |
| 24999 | Tiamulin EP Impurity P                           | VS-T050017 | N/A          |
| 25000 | Tiamulin EP Impurity Q                           | VS-T050018 | N/A          |
| 25001 | Tiamulin EP Impurity R                           | VS-T050019 | 54225-72-8   |
| 25002 | Tiamulin EP Impurity S                           | VS-T050020 | N/A          |
| 25003 | Tiamulin EP Impurity T                           | VS-T050021 | N/A          |
| 25004 | Tiamulin Impurity 1                              | VS-T050022 | N/A          |
| 25005 | Tianeptine Sodium                                | VS-T051001 | 30123-17-2   |
| 25006 | Tianeptine Sodium EP Impurity A                  | VS-T051002 | 29823-18-5   |
| 25007 | Tianeptine Sodium EP Impurity B                  | VS-T051003 | 66981-77-9   |
| 25008 | Tianeptine Sodium EP Impurity C                  | VS-T051004 | 26638-53-9   |
| 25009 | Tianeptine Sodium EP Impurity D                  | VS-T051005 | 131206-48-9  |
| 25010 | Tianeptine Sodium EP Impurity E                  | VS-T051006 | 768351-55-9  |
| 25011 | Tibolone                                         | VS-T052000 | 5630-53-5    |
| 25012 | Tibolone EP Impurity A                           | VS-T052001 | 105186-35-4  |
| 25013 | Tibolone EP Impurity B                           | VS-T052002 | 105186-34-3  |
| 25014 | Tibolone EP Impurity C                           | VS-T052003 | 1162-60-3    |
| 25015 | Tibolone EP Impurity D                           | VS-T052004 | 32297-45-3   |
| 25016 | Tibolone EP Impurity E                           | VS-T052005 | 105186-33-2  |
| 25017 | Tibolone Impurity 1                              | VS-T052006 | 88247-84-1   |
| 25018 | Ticagrelor                                       | VS-T053000 | 274693-27-5  |
| 25019 | Ticagrelor EP Impurity A                         | VS-T053001 | 1251765-07-7 |
| 25020 | Ticagrelor Impurity B                            | VS-T053002 | 2216753-87-4 |
| 25021 | Ticagrelor EP Impurity C                         | VS-T053003 | 1616703-93-5 |
| 25022 | Ticagrelor EP Impurity D                         | VS-T053004 | 274693-26-4  |
| 25023 | Ticagrelor EP Impurity E Hydrochloride           | VS-T053005 | 1402222-66-5 |
| 25024 | Ticagrelor EP Impurity E (Succinate salt)        | VS-T053006 | 220352-39-6  |
| 25025 | Ticagrelor Impurity D                            | VS-T053007 | N/A          |
| 25026 | Ticagrelor Impurity G                            | VS-T053008 | 220347-05-7  |
| 25027 | Ticagrelor Impurity L (Mixture of Diastereomers) | VS-T053009 | N/A          |
| 25028 | Ticagrelor Impurity M                            | VS-T053010 | 274693-39-9  |
| 25029 | Ticagrelor Impurity N                            | VS-T053011 | 1643378-47-5 |
| 25030 | Ticagrelor Impurity Q                            | VS-T053012 | 2205903-74-6 |
| 25031 | Ticagrelor IP Impurity C                         | VS-T053013 | 2417326-48-6 |
| 25032 | Ticagrelor IP Impurity D                         | VS-T053014 | 2417798-14-0 |
| 25033 | Ticagrelor IP Impurity C & D                     | VS-T053015 | N/A          |
| 25034 | Ticagrelor IP Impurity G                         | VS-T053016 | N/A          |
| 25035 | Ticagrelor Acetyl Impurity                       | VS-T053017 | N/A          |
| 25036 | Ticagrelor Enantiomer Impurity                   | VS-T053018 | 2096989-55-6 |
| 25037 | Ticagrelor Desfluoro analogue                    | VS-T053019 | N/A          |
| 25038 | Ticagrelor Desethoxy impurity                    | VS-T053020 | N/A          |

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| 25039 | TKMDIP-1                                       | VS-T053021 | 2518331-26-3 |
| 25040 | TKMDIP-2                                       | VS-T053022 | 2514951-26-7 |
| 25041 | TKBIP Stereoisomer C                           | VS-T053023 | N/A          |
| 25042 | AR-C124910XX-N-Glucuronide                     | VS-T053024 | N/A          |
| 25043 | Ticagrelor N-Glucuronide                       | VS-T053025 | N/A          |
| 25044 | Ticagrelor O-Glucuronide                       | VS-T053026 | N/A          |
| 25045 | (1S,2S)-2-(4-fluorophenyl)cyclopropanamine HCl | VS-T053027 | N/A          |
| 25046 | Methoxy Ticagrelor Intermediate                | VS-T053028 | N/A          |
| 25047 | Ticagrelor Intermediate 4                      | VS-T053029 | 34328-61-5   |
| 25048 | Ticagrelor Intermediate                        | VS-T053030 | 145783-14-8  |
| 25049 | (1R,2R)-2-(4-fluorophenyl)cyclopropanamine HCl | VS-T053031 | 1450903-24-8 |
| 25050 | Ticagrelor N-formyl Impurity                   | VS-T053032 | N/A          |
| 25051 | Titanium(II) oxide                             | VS-T053033 | 12137-20-1   |
| 25052 | Ticagrelor Related Compound 1                  | VS-T053034 | 155899-66-4  |
| 25053 | Ticagrelor Related Compound 2                  | VS-T053035 | 592533-90-9  |
| 25054 | Ticagrelor Related Compound 3                  | VS-T053036 | 88756-83-6   |
| 25055 | Ticagrelor Related Compound 4                  | VS-T053037 | 1446475-48-4 |
| 25056 | Ticagrelor Related Compound 5                  | VS-T053038 | N/A          |
| 25057 | Ticagrelor Related Compound 6                  | VS-T053039 | N/A          |
| 25058 | Ticagrelor Related Compound 6 HCl              | VS-T053040 | N/A          |
| 25059 | Ticagrelor Related Compound 7                  | VS-T053041 | 633312-86-4  |
| 25060 | Ticagrelor Related Compound 8                  | VS-T053042 | 378236-67-0  |
| 25061 | Ticagrelor Related Compound 10                 | VS-T053043 | 2435586-40-4 |
| 25062 | Ticagrelor Related Compound 11                 | VS-T053044 | N/A          |
| 25063 | Ticagrelor Related Compound 12                 | VS-T053045 | 1630025-26-1 |
| 25064 | Ticagrelor Related Compound 13                 | VS-T053046 | N/A          |
| 25065 | Ticagrelor Related Compound 14                 | VS-T053047 | 2056269-94-2 |
| 25066 | Ticagrelor Related Compound 16                 | VS-T053048 | 2096989-56-7 |
| 25067 | Ticagrelor Related Compound 17                 | VS-T053049 | 376608-74-1  |
| 25068 | Ticagrelor Related Compound 18                 | VS-T053050 | N/A          |
| 25069 | Ticagrelor Related Compound 19                 | VS-T053051 | 2378409-07-3 |
| 25070 | Ticagrelor Related Compound 20                 | VS-T053052 | N/A          |
| 25071 | Ticagrelor Related Compound 22                 | VS-T053053 | 2459302-77-1 |
| 25072 | Ticagrelor Related Compound 23                 | VS-T053054 | N/A          |
| 25073 | Ticagrelor Related Compound 24                 | VS-T053055 | N/A          |
| 25074 | Ticagrelor Related Compound 25                 | VS-T053056 | N/A          |
| 25075 | Ticagrelor Related Compound 26                 | VS-T053057 | N/A          |
| 25076 | Ticagrelor Related Compound 27                 | VS-T053058 | N/A          |
| 25077 | Ticagrelor Related Compound 28                 | VS-T053059 | 220352-36-3  |
| 25078 | Ticagrelor Related Compound 29                 | VS-T053060 | N/A          |
| 25079 | Ticagrelor EP Impurity B                       | VS-T053061 | 1788033-05-5 |
| 25080 | Ticagrelor Related Compound 32 (DP1)           | VS-T053062 | N/A          |
| 25081 | Ticagrelor Related Compound 33 (DP4)           | VS-T053063 | 1644461-92-6 |
| 25082 | Ticagrelor Related Compound 34 (DP6)           | VS-T053064 | N/A          |
| 25083 | Ticagrelor Related Compound 35 (DP7)           | VS-T053065 | N/A          |
| 25084 | Ticagrelor Related Compound 36 (DP8)           | VS-T053066 | N/A          |
| 25085 | Ticagrelor Related Compound 37 (DP9)           | VS-T053067 | N/A          |

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| 25086 | Ticagrelor Related Compound 38     | VS-T053068 | 2376278-72-5 |
| 25087 | Ticagrelor Related Compound 39     | VS-T053069 | N/A          |
| 25088 | Ticagrelor Related Compound 40     | VS-T053070 | N/A          |
| 25089 | Ticagrelor Related Compound 41     | VS-T053071 | N/A          |
| 25090 | Ticagrelor Related Compound 42     | VS-T053072 | 1424142-79-9 |
| 25091 | Ticagrelor Related Compound 43     | VS-T053073 | 1156491-05-2 |
| 25092 | Ticagrelor Related Compound 44     | VS-T053074 | 1431867-40-1 |
| 25093 | Ticagrelor Related Compound 46     | VS-T053075 | N/A          |
| 25094 | Ticagrelor Related Compound 47     | VS-T053076 | 1445580-43-7 |
| 25095 | Ticagrelor Related Compound 49     | VS-T053077 | 866551-95-3  |
| 25096 | Ticagrelor Related Compound 50     | VS-T053078 | 1548397-26-7 |
| 25097 | Ticagrelor Related Compound 51     | VS-T053079 | N/A          |
| 25098 | Ticagrelor Related Compound 52     | VS-T053080 | 1265919-25-2 |
| 25099 | Ticagrelor Related Compound 53     | VS-T053081 | N/A          |
| 25100 | Ticagrelor Related Compound 54     | VS-T053082 | N/A          |
| 25101 | Ticagrelor Related Compound 55     | VS-T053083 | 1402150-00-8 |
| 25102 | Ticagrelor Related Compound 56     | VS-T053084 | N/A          |
| 25103 | Ticagrelor Related Compound 57     | VS-T053085 | 1402150-32-6 |
| 25104 | Ticagrelor Related Compound 58     | VS-T053086 | N/A          |
| 25105 | Ticagrelor Related Compound 60     | VS-T053087 | N/A          |
| 25106 | Ticagrelor Related Compound 61     | VS-T053088 | 1630025-27-2 |
| 25107 | Ticagrelor Related Compound 62     | VS-T053089 | 1823431-32-8 |
| 25108 | Ticagrelor Related Compound 63 HCl | VS-T053090 | 1314324-00-9 |
| 25109 | Ticagrelor Related Compound 64     | VS-T053091 | 131844-33-2  |
| 25110 | Ticagrelor Related Compound 65     | VS-T053092 | 2205903-72-4 |
| 25111 | Ticagrelor Related Compound 67     | VS-T053093 | N/A          |
| 25112 | Ticagrelor Related Compound 68     | VS-T053094 | N/A          |
| 25113 | Ticagrelor Related Compound 69     | VS-T053095 | N/A          |
| 25114 | Ticagrelor Related Compound 70     | VS-T053096 | N/A          |
| 25115 | Ticagrelor Related Compound 71     | VS-T053097 | 1548397-10-9 |
| 25116 | Ticagrelor Related Compound 72     | VS-T053098 | N/A          |
| 25117 | Ticagrelor Related Compound 73     | VS-T053099 | 2517939-84-1 |
| 25118 | Ticagrelor Related Compound 74     | VS-T053100 | 2512210-19-2 |
| 25119 | Ticagrelor Related Compound 75     | VS-T053101 | 1401318-10-2 |
| 25120 | Ticagrelor Related Compound 76     | VS-T053102 | 145783-15-9  |
| 25121 | Ticagrelor Related Compound 77     | VS-T053103 | N/A          |
| 25122 | Ticagrelor Related Compound 78     | VS-T053104 | N/A          |
| 25123 | Ticagrelor Related Compound 79     | VS-T053105 | N/A          |
| 25124 | Ticagrelor Related Compound 80     | VS-T053106 | N/A          |
| 25125 | Ticagrelor Related Compound 81     | VS-T053107 | N/A          |
| 25126 | Ticagrelor Related Compound 82     | VS-T053108 | N/A          |
| 25127 | Ticagrelor Related Compound 83     | VS-T053109 | N/A          |
| 25128 | Ticagrelor Related Compound 84     | VS-T053110 | N/A          |
| 25129 | Ticagrelor Related Compound 85     | VS-T053111 | N/A          |
| 25130 | Ticagrelor Related Compound 86     | VS-T053112 | N/A          |
| 25131 | Ticagrelor Related Compound 88 HCl | VS-T053113 | 1990505-73-1 |
| 25132 | Ticagrelor Related Compound 89     | VS-T053114 | 2518048-22-9 |

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|-------|--------------------------------|------------|--------------|
| 25133 | Ticagrelor Related Compound 90 | VS-T053115 | N/A          |
| 25134 | Ticagrelor Related Compound 91 | VS-T053116 | N/A          |
| 25135 | Ticagrelor Related Compound 92 | VS-T053117 | N/A          |
| 25136 | Ticagrelor Related Compound 93 | VS-T053118 | N/A          |
| 25137 | Ticagrelor Related Compound 94 | VS-T053119 | N/A          |
| 25138 | Ticagrelor Related Compound 95 | VS-T053120 | N/A          |
| 25139 | Ticagrelor Related Compound 96 | VS-T053121 | 1444301-60-3 |
| 25140 | Ticagrelor Related Compound 97 | VS-T053122 | N/A          |
| 25141 | Ticagrelor Related Compound 98 | VS-T053123 | N/A          |
| 25142 | Ticagrelor Related Compound 99 | VS-T053124 | 376608-75-2  |
| 25143 | Ticagrelor Impurity 1          | VS-T053125 | 2206827-26-9 |
| 25144 | Ticagrelor Impurity 2          | VS-T053126 | 2204863-18-1 |
| 25145 | Ticagrelor Impurity 3          | VS-T053127 | 2206827-21-4 |
| 25146 | Ticagrelor Impurity 4          | VS-T053128 | 376608-65-0  |
| 25147 | Ticagrelor Impurity 5          | VS-T053129 | N/A          |
| 25148 | Ticagrelor Impurity 6          | VS-T053130 | 1643378-48-6 |
| 25149 | Ticagrelor Impurity 7          | VS-T053131 | N/A          |
| 25150 | Ticagrelor Impurity 8          | VS-T053132 | 1402150-10-0 |
| 25151 | Ticagrelor Impurity 9          | VS-T053133 | 1402149-98-7 |
| 25152 | Ticagrelor Impurity 10         | VS-T053134 | 19009-67-7   |
| 25153 | Ticagrelor Impurity 11         | VS-T053135 | N/A          |
| 25154 | Ticagrelor Impurity 12         | VS-T053136 | 1863036-51-4 |
| 25155 | Ticagrelor Impurity 13         | VS-T053137 | 1863036-49-0 |
| 25156 | Ticagrelor Impurity 14         | VS-T053138 | 1808068-84-9 |
| 25157 | Ticagrelor Impurity 15         | VS-T053139 | N/A          |
| 25158 | Ticagrelor Impurity 62         | VS-T053140 | N/A          |
| 25159 | Ticagrelor Impurity 63         | VS-T053141 | N/A          |
| 25160 | Ticagrelor Impurity 64         | VS-T053142 | N/A          |
| 25161 | Ticagrelor Impurity 65         | VS-T053143 | 145783-13-7  |
| 25162 | Ticagrelor Impurity 66         | VS-T053144 | 145783-12-6  |
| 25163 | Ticagrelor Impurity 67         | VS-T053145 | 274693-53-7  |
| 25164 | Ticagrelor Impurity 68         | VS-T053146 | 274693-54-8  |
| 25165 | Ticagrelor Impurity 70         | VS-T053147 | 1820580-27-5 |
| 25166 | Ticagrelor Impurity 71         | VS-T053148 | 3721-26-4    |
| 25167 | Ticagrelor Impurity 72         | VS-T053149 | 220241-60-1  |
| 25168 | Ticagrelor Impurity 73         | VS-T053150 | N/A          |
| 25169 | Ticagrelor Impurity 74         | VS-T053151 | 220241-61-2  |
| 25170 | Ticagrelor Impurity 75         | VS-T053152 | 1402150-01-9 |
| 25171 | Ticagrelor Impurity 76         | VS-T053153 | 274693-49-1  |
| 25172 | Ticagrelor Impurity 77         | VS-T053154 | 2245167-79-5 |
| 25173 | Ticagrelor Impurity 78         | VS-T053155 | N/A          |
| 25174 | Ticagrelor Impurity 79         | VS-T053156 | N/A          |
| 25175 | Ticagrelor Impurity 80         | VS-T053157 | N/A          |
| 25176 | Ticagrelor Impurity 81         | VS-T053158 | N/A          |
| 25177 | Ticagrelor Impurity 82         | VS-T053159 | 1304995-11-6 |
| 25178 | Ticagrelor Impurity 83         | VS-T053160 | 1414348-35-8 |
| 25179 | Ticagrelor Impurity 84         | VS-T053161 | N/A          |

|       |                                    |            |              |
|-------|------------------------------------|------------|--------------|
| 25180 | Ticagrelor Impurity 85             | VS-T053162 | N/A          |
| 25181 | Ticagrelor Impurity 86             | VS-T053163 | N/A          |
| 25182 | Ticagrelor Impurity 87             | VS-T053164 | 1350749-64-2 |
| 25183 | Ticagrelor Impurity 88             | VS-T053165 | N/A          |
| 25184 | Ticagrelor Impurity 89             | VS-T053166 | N/A          |
| 25185 | Ticagrelor Impurity 90             | VS-T053167 | N/A          |
| 25186 | Ticagrelor Impurity 91             | VS-T053168 | N/A          |
| 25187 | Ticagrelor Impurity 92             | VS-T053169 | N/A          |
| 25188 | Ticagrelor Impurity 93             | VS-T053170 | N/A          |
| 25189 | Ticagrelor Impurity 94             | VS-T053171 | 1822472-41-2 |
| 25190 | Ticagrelor Impurity 95             | VS-T053172 | 88756-84-7   |
| 25191 | Ticagrelor Impurity 96             | VS-T053173 | 4137-56-8    |
| 25192 | Ticagrelor Impurity 97             | VS-T053174 | N/A          |
| 25193 | Ticagrelor Impurity 98             | VS-T053175 | N/A          |
| 25194 | Ticagrelor Impurity 99             | VS-T053176 | 106-94-5     |
| 25195 | Ticagrelor Impurity 100            | VS-T053177 | 39856-08-1   |
| 25196 | Ticagrelor Impurity 101            | VS-T053178 | N/A          |
| 25197 | Ticagrelor Impurity 102            | VS-T053179 | 1006376-62-0 |
| 25198 | Ticagrelor Impurity 103            | VS-T053180 | N/A          |
| 25199 | Ticagrelor Impurity 104            | VS-T053181 | 1858267-99-8 |
| 25200 | Ticagrelor Impurity 105            | VS-T053182 | 1644461-85-7 |
| 25201 | Ticagrelor Impurity 106            | VS-T053183 | 1345413-20-8 |
| 25202 | Ticagrelor Impurity 107            | VS-T053184 | 1354945-69-9 |
| 25203 | Ticagrelor Related Compound A      | VS-T053185 | 376608-71-8  |
| 25204 | Ticagrelor EP Impurity E           | VS-T053186 | 220352-38-5  |
| 25205 | Ticagrelor D7                      | VS-T053187 | 1265911-55-4 |
| 25206 | N-Nitroso Ticagrelor Impurity      | VS-T053188 | 2476859-55-7 |
| 25207 | N-Nitroso Ticagrelor Impurity 1    | VS-T053189 | 2476859-56-8 |
| 25208 | Ticagrelor Nitroso Impurity 19     | VS-T053190 | NA           |
| 25209 | Ticlodipine                        | VS-T054000 | 55142-85-3   |
| 25210 | Ticlodipine EP Impurity A          | VS-T054001 | 272-14-0     |
| 25211 | Ticlodipine EP Impurity B          | VS-T054002 | 68559-60-4   |
| 25212 | Ticlodipine EP Impurity C          | VS-T054003 | 89-97-4      |
| 25213 | Ticlodipine EP Impurity D          | VS-T054004 | 55142-78-4   |
| 25214 | Ticlodipine EP Impurity E          | VS-T054005 | 721387-90-2  |
| 25215 | Ticlodipine EP Impurity F          | VS-T054006 | 62019-75-4   |
| 25216 | Ticlodipine EP Impurity G          | VS-T054007 | 55142-86-4   |
| 25217 | Ticlodipine EP Impurity H          | VS-T054008 | 55157-56-7   |
| 25218 | Ticlodipine EP Impurity I          | VS-T054009 | 69061-17-2   |
| 25219 | Ticlodipine EP Impurity J          | VS-T054010 | 108896-78-2  |
| 25220 | Ticlodipine EP Impurity K          | VS-T054011 | 2361413-61-6 |
| 25221 | Ticlodipine EP Impurity L          | VS-T054012 | 68559-55-7   |
| 25222 | Ticlodipine Impurity 1             | VS-T054013 | 68559-48-8   |
| 25223 | Tigecycline                        | VS-T055000 | 220620-09-7  |
| 25224 | Tigecycline USP Related Compound A | VS-T055001 | 1138343-10-8 |
| 25225 | Tigecycline USP Related Compound B | VS-T055002 | 149934-21-4  |
| 25226 | Tigecycline EP Impurity B          | VS-T055003 | 149934-19-0  |

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|-------|------------------------------------------|------------|--------------|
| 25227 | Tigecycline EP Impurity A                | VS-T055004 | 1422262-97-2 |
| 25228 | Tigecycline USP Related Compound F       | VS-T055005 | 1268494-46-7 |
| 25229 | Tigecycline Tricyclic Analog             | VS-T055006 | 1268494-40-1 |
| 25230 | Tigecycline 12-Oxo-11-Hydroxy Impurity   | VS-T055007 | 1633815-62-9 |
| 25231 | Tigecycline Metabolite M4                | VS-T055008 | 153621-85-3  |
| 25232 | Tigecycline Open Ring Impurity           | VS-T055009 | N/A          |
| 25233 | Tigecycline EP System Suitability CRS    | VS-T055010 | N/A          |
| 25234 | Tigecycline Impurity 1                   | VS-T055011 | N/A          |
| 25235 | Tigecycline Impurity 2                   | VS-T055012 | N/A          |
| 25236 | Tigecycline Impurity 3                   | VS-T055013 | N/A          |
| 25237 | Tigecycline Impurity 4                   | VS-T055014 | N/A          |
| 25238 | Tigecycline Impurity 5                   | VS-T055015 | N/A          |
| 25239 | Tigecycline Impurity 6                   | VS-T055016 | N/A          |
| 25240 | Tigecycline Impurity 7                   | VS-T055017 | N/A          |
| 25241 | Tigecycline Impurity 8                   | VS-T055018 | N/A          |
| 25242 | Desmethyl Tigecycline nitroso Impurity 1 | VS-T055019 | N/A          |
| 25243 | Desmethyl Tigecycline nitroso Impurity 2 | VS-T055020 | N/A          |
| 25244 | Tigecycline quinone analog               | VS-T055021 | N/A          |
| 25245 | Tigecycline EP Impurity C                | VS-T055022 | 10118-90-8   |
| 25246 | N-Nitroso Tigecycline                    | VS-T055023 | N/A          |
| 25247 | Timolol Maleate                          | VS-T056000 | 26921-17-5   |
| 25248 | Timolol EP Impurity A                    | VS-T056001 | 26839-76-9   |
| 25249 | Timolol EP Impurity B                    | VS-T056002 | 59697-06-2   |
| 25250 | Timolol EP Impurity C                    | VS-T056003 | 610271-56-2  |
| 25251 | Timolol EP Impurity D                    | VS-T056004 | 30165-97-0   |
| 25252 | Timolol EP Impurity E                    | VS-T056005 | 1026075-53-5 |
| 25253 | Timolol EP Impurity E (TFA Salt)         | VS-T056006 | N/A          |
| 25254 | Timolol EP Impurity E (Maleate Salt)     | VS-T056007 | N/A          |
| 25255 | Timolol EP Impurity F                    | VS-T056008 | 30165-96-9   |
| 25256 | Timolol EP Impurity G (Potassium)        | VS-T056009 | 79844-78-3   |
| 25257 | Timolol EP Impurity H                    | VS-T056010 | 158636-97-6  |
| 25258 | Timolol EP Impurity I                    | VS-T056011 | 2469037-77-0 |
| 25259 | Timolol EP Impurity J                    | VS-T056012 | N/A          |
| 25260 | Timolol Impurity K                       | VS-T056013 | 69500-53-4   |
| 25261 | Hydroxy Timolol                          | VS-T056014 | 57519-98-9   |
| 25262 | Timolol Phenol-S-Oxide                   | VS-T056015 | N/A          |
| 25263 | rac Timolol Maleate                      | VS-T056016 | 57073-55-9   |
| 25264 | Timolol Impurity 1                       | VS-T056017 | 75014-25-4   |
| 25265 | Timolol Impurity 2                       | VS-T056018 | 75014-26-5   |
| 25266 | Timolol Impurity 3                       | VS-T056019 | 75045-22-6   |
| 25267 | Timolol Impurity 4                       | VS-T056020 | 610271-58-4  |
| 25268 | Timolol Impurity 5                       | VS-T056021 | 1391068-18-0 |
| 25269 | (S)-Isotimolol                           | VS-T056022 | 158636-96-5  |
| 25270 | Timolol                                  | VS-T056023 | 26839-75-8   |
| 25271 | Timolol EP Impurity G                    | VS-T056024 | 75202-36-7   |
| 25272 | Timolol USP Related Compound A           | VS-T056025 | 26839-77-0   |
| 25273 | Timolol USP Related Compound C           | VS-T056026 | 610271-57-3  |

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|-------|----------------------------------|------------|---------------|
| 25274 | N-Nitroso Timolol                | VS-T056027 | NA            |
| 25275 | N Nitroso Timolol Impurity 1     | VS-T056028 | NA            |
| 25276 | Tinidazole                       | VS-T057000 | 19387-91-8    |
| 25277 | Tinidazole EP Impurity A         | VS-T057001 | 696-23-1      |
| 25278 | Tinidazole EP Impurity B         | VS-T057002 | 25459-12-5    |
| 25279 | Tinidazole Impurity 1            | VS-T057003 | 13230-19-8    |
| 25280 | Tinidazole Impurity 2            | VS-T057004 | 110-77-0      |
| 25281 | Tinidazole Impurity 3            | VS-T057005 | 28795-33-7    |
| 25282 | Tinidazole Impurity 4            | VS-T057006 | N/A           |
| 25283 | Tinidazole Impurity 5            | VS-T057007 | 2376335-05-4  |
| 25284 | Tiopronin                        | VS-T058000 | 02-02-53 0:00 |
| 25285 | Tiopronin Disulfide Impurity     | VS-T058001 | 21269-37-4    |
| 25286 | Tiopronin Sulfoxide              | VS-T058002 | N/A           |
| 25287 | Tiopronin Sulfone                | VS-T058003 | N/A           |
| 25288 | Tiopronin S Benzoyl Impurity     | VS-T058004 | 01-03-83 0:00 |
| 25289 | Tiopronin S-Methyl Impurity      | VS-T058005 | 87254-91-9    |
| 25290 | Tiopronin Sulfinic Acid Impurity | VS-T058006 | N/A           |
| 25291 | 2-Mercaptopropanoic Acid         | VS-T058007 | 79-42-5       |
| 25292 | Tiopronin Alanine Analog         | VS-T058008 | 26843-61-8    |
| 25293 | Tiopronin Impurity 1             | VS-T058009 | 6182-96-3     |
| 25294 | Tiopronin Impurity 2             | VS-T058010 | 1313496-17-1  |
| 25295 | Tiopronin Impurity 3             | VS-T058011 | 1313496-16-0  |
| 25296 | Tiopronin Impurity 4             | VS-T058012 | N/A           |
| 25297 | Tiotropium Bromide Monohydrate   | VS-T059001 | 136310-93-5   |
| 25298 | Tiotropium EP Impurity A         | VS-T059002 | 4746-63-8     |
| 25299 | Tiotropium EP Impurity B         | VS-T059003 | 136310-64-0   |
| 25300 | Tiotropium EP Impurity C         | VS-T059004 | 136310-95-7   |
| 25301 | Tiotropium EP Impurity D         | VS-T059005 | 136310-66-2   |
| 25302 | Tiotropium EP Impurity E         | VS-T059006 | 26447-85-8    |
| 25303 | Tiotropium EP Impurity F         | VS-T059007 | 704-38-1      |
| 25304 | Tiotropium EP Impurity G         | VS-T059008 | 1508-46-9     |
| 25305 | Tiotropium EP Impurity H         | VS-T059009 | 845870-40-8   |
| 25306 | Tiotropium Impurity I            | VS-T059010 | N/A           |
| 25307 | Tiotropium Impurity J            | VS-T059011 | N/A           |
| 25308 | Tiotropium Impurity K            | VS-T059012 | N/A           |
| 25309 | Tiotropium Impurity M            | VS-T059013 | N/A           |
| 25310 | Tiotropium Impurity N            | VS-T059014 | N/A           |
| 25311 | Iso Tiotropium Bromide           | VS-T059015 | 136431-94-2   |
| 25312 | Scopine Hydrochloride            | VS-T059016 | 85700-55-6    |
| 25313 | Tiotropium                       | VS-T059017 | 186691-13-4   |
| 25314 | Tirofiban                        | VS-T060000 | 144494-65-5   |
| 25315 | Tirofiban R-isomer               | VS-T060001 | 158808-86-7   |
| 25316 | Tirofiban Impurity 1             | VS-T060002 | 2386-54-1     |
| 25317 | N-Nitroso Tirofiban              | VS-T060003 | NA            |
| 25318 | Tivozanib                        | VS-T061000 | 475108-18-0   |
| 25319 | Tizanidine HCl                   | VS-T062001 | 64461-82-1    |
| 25320 | Tizanidine EP Impurity A         | VS-T062002 | 51322-69-1    |

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|-------|---------------------------------------|------------|--------------|
| 25321 | Tizanidine EP Impurity B              | VS-T062003 | 51323-05-8   |
| 25322 | Tizanidine EP Impurity C              | VS-T062004 | 1147548-83-1 |
| 25323 | Tizanidine EP Impurity D              | VS-T062005 | 560120-68-5  |
| 25324 | Tizanidine EP Impurity E              | VS-T062006 | 30536-19-7   |
| 25325 | Tizanidine EP Impurity F              | VS-T062007 | 1147548-85-3 |
| 25326 | Tizanidine EP Impurity G              | VS-T062008 | 51322-80-6   |
| 25327 | Tizanidine EP Impurity H              | VS-T062009 | 107-15-3     |
| 25328 | Tizanidine EP Impurity I              | VS-T062010 | 104-15-4     |
| 25329 | Tizanidine USP Related Compound B     | VS-T062011 | 173532-15-5  |
| 25330 | Tizanidine USP Related Compound C     | VS-T062012 | 5391-52-6    |
| 25331 | Tizanidine 5-Hydroxy Impurity         | VS-T062013 | 1794829-08-5 |
| 25332 | Tizanidine Dehydro Impurity           | VS-T062014 | 125292-34-4  |
| 25333 | Tizanidine Guanidine Impurity         | VS-T062015 | 125292-37-7  |
| 25334 | Tizanidine Isothiocyanato Impurity    | VS-T062016 | 1467836-46-9 |
| 25335 | Tizanidine Lactam Impurity            | VS-T062017 | 125292-32-2  |
| 25336 | Tizanidine Dimer Impurity             | VS-T062018 | N/A          |
| 25337 | Tizanidine Impurity 1                 | VS-T062019 | 2035-78-1    |
| 25338 | Tizanidine Impurity 2                 | VS-T062020 | 2207-33-2    |
| 25339 | Tizanidine Impurity 3                 | VS-T062021 | 460987-47-7  |
| 25340 | Tizanidine Impurity 4                 | VS-T062022 | 100191-31-9  |
| 25341 | Tizanidine Impurity 5                 | VS-T062023 | N/A          |
| 25342 | Tizanidine Impurity 6                 | VS-T062024 | N/A          |
| 25343 | Tizoxanide                            | VS-T063000 | 173903-47-4  |
| 25344 | Tobramycin                            | VS-T064000 | 32986-56-4   |
| 25345 | Tobramycin EP Impurity A              | VS-T064001 | 4696-76-8    |
| 25346 | Tobramycin EP Impurity B              | VS-T064002 | N/A          |
| 25347 | Tobramycin EP Impurity C              | VS-T064003 | 3947-65-7    |
| 25348 | Tobramycin Impurity F                 | VS-T064004 | N/A          |
| 25349 | Deoxystreptamine Kanosaminide         | VS-T064005 | 20744-51-8   |
| 25350 | Tobramycin Impurity 1                 | VS-T064006 | N/A          |
| 25351 | Tobramycin Impurity 2                 | VS-T064007 | N/A          |
| 25352 | Tobramycin Impurity 3                 | VS-T064008 | 64332-33-8   |
| 25353 | Tobramycin Impurity 4                 | VS-T064009 | 74501-86-3   |
| 25354 | Tobramycin Impurity 5                 | VS-T064010 | N/A          |
| 25355 | Kanamycin B sulphate                  | VS-T064011 | 29701-07-3   |
| 25356 | all-rac- $\alpha$ -Tocopheryl Acetate | VS-T065001 | 7695-91-2    |
| 25357 | Tocopheryl Acetate EP Impurity A      | VS-T065002 | N/A          |
| 25358 | Tocopheryl Acetate EP Impurity B      | VS-T065003 | 1560716-40-6 |
| 25359 | Tocopheryl Acetate EP Impurity C      | VS-T065004 | 10191-41-0   |
| 25360 | Tocopheryl Acetate EP Impurity D      | VS-T065005 | N/A          |
| 25361 | Tocopheryl Acetate EP Impurity E      | VS-T065006 | N/A          |
| 25362 | Alpha Tocopheryl Acid Succinate       | VS-T065007 | 03-03-45     |
| 25363 | Vitamin E Impurity B                  | VS-T065008 | 1560716-42-8 |
| 25364 | Vitamin E Impurity D                  | VS-T065009 | N/A          |
| 25365 | Vitamin E Impurity E                  | VS-T065010 | N/A          |
| 25366 | Tofacitinib                           | VS-T066000 | 477600-75-2  |
| 25367 | Tofacitinib Citrate                   | VS-T066001 | 540737-29-9  |



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|-------|---------------------------------------------------------|------------|--------------|
| 25368 | Tofacitinib Impurity A                                  | VS-T066002 | 1092578-46-5 |
| 25369 | Tofacitinib Impurity B                                  | VS-T066003 | 1092578-48-7 |
| 25370 | Tofacitinib Impurity C Citrate                          | VS-T066004 | 2174011-55-1 |
| 25371 | Tofacitinib Impurity F                                  | VS-T066005 | 384338-23-2  |
| 25372 | Tofacitinib Impurity I                                  | VS-T066006 | N/A          |
| 25373 | Tofacitinib Impurity J                                  | VS-T066007 | N/A          |
| 25374 | Tofacitinib Impurity K                                  | VS-T066008 | 2328165-36-0 |
| 25375 | Tofacitinib Impurity L                                  | VS-T066009 | 1675248-19-7 |
| 25376 | Tofacitinib Impurity M                                  | VS-T066010 | 477600-74-1  |
| 25377 | Tofacitinib Impurity N                                  | VS-T066011 | 1260614-73-0 |
| 25378 | Tofacitinib Impurity O                                  | VS-T066012 | 477600-73-0  |
| 25379 | Tofacitinib Impurity P                                  | VS-T066013 | 1252883-90-1 |
| 25380 | Tofacitinib Impurity Q                                  | VS-T066014 | 3680-69-1    |
| 25381 | Tofacitinib Impurity R                                  | VS-T066015 | 479633-63-1  |
| 25382 | Tofacitinib Impurity S                                  | VS-T066016 | 923036-30-0  |
| 25383 | Tofacitinib Impurity T                                  | VS-T066017 | 2504210-31-3 |
| 25384 | Tofacitinib Impurity U                                  | VS-T066018 | 1616760-97-4 |
| 25385 | Tofacitinib Impurity V                                  | VS-T066019 | 1616761-00-2 |
| 25386 | Tofacitinib Impurity W                                  | VS-T066020 | 2504210-32-4 |
| 25387 | Tofacitinib Impurity X                                  | VS-T066021 | 2097982-05-1 |
| 25388 | Tofacitinib Impurity Y                                  | VS-T066022 | 2227197-38-6 |
| 25389 | Tofacitinib Impurity Z                                  | VS-T066023 | 477600-76-3  |
| 25390 | Tofacitinib Related Compound 1                          | VS-T066024 | 2504210-30-2 |
| 25391 | Tofacitinib Related Compound 2 HCl                      | VS-T066025 | 1640971-87-4 |
| 25392 | Tofacitinib Related Compound 3                          | VS-T066026 | N/A          |
| 25393 | Tofacitinib Related Compound 4                          | VS-T066027 | 1092578-43-2 |
| 25394 | Tofacitinib Related Compound 6                          | VS-T066028 | 2459302-77-1 |
| 25395 | Tofacitinib Related Compound 8                          | VS-T066029 | 2504210-41-5 |
| 25396 | Tofacitinib Related Compound 9                          | VS-T066030 | 2459302-78-2 |
| 25397 | Tofacitinib Related Compound 10                         | VS-T066031 | 2374700-39-5 |
| 25398 | Tofacitinib Related Compound 11                         | VS-T066032 | 1640971-60-3 |
| 25399 | Tofacitinib Related Compound 12                         | VS-T066033 | 2459302-80-6 |
| 25400 | Tofacitinib Related Compound 13                         | VS-T066034 | 1092578-45-4 |
| 25401 | Tofacitinib Related Compound 14                         | VS-T066035 | 2227199-28-0 |
| 25402 | Tofacitinib Related Compound 15                         | VS-T066036 | N/A          |
| 25403 | Tofacitinib Related Compound 16                         | VS-T066037 | N/A          |
| 25404 | Tofacitinib Related Compound 17                         | VS-T066038 | 2056104-91-5 |
| 25405 | Tofacitinib Related Compound 18                         | VS-T066039 | 1092578-44-3 |
| 25406 | Tofacitinib Related Compound 19                         | VS-T066040 | 2028267-73-2 |
| 25407 | Tofacitinib Related Compound 20                         | VS-T066041 | 2259288-22-5 |
| 25408 | Tofacitinib Related Compound 21                         | VS-T066042 | 1809002-40-1 |
| 25409 | Tofacitinib Related Compound 23 DiHCl                   | VS-T066043 | N/A          |
| 25410 | Tofacitinib Related Compound 24                         | VS-T066044 | 2459302-82-8 |
| 25411 | Tofacitinib Related Compound 25                         | VS-T066045 | 2504210-33-5 |
| 25412 | Tofacitinib Related Compound 26 HCl                     | VS-T066046 | 1206824-85-2 |
| 25413 | Tofacitinib Related Compound 27                         | VS-T066047 | N/A          |
| 25414 | Tofacitinib Related Compound 28 (rac-trans-Tofacitinib) | VS-T066048 | N/A          |

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| 25415 | Tofacitinib Related Compound 29                         | VS-T066049 | 134965-85-8  |
| 25416 | Tofacitinib Related Impurity (PF-05579970)              | VS-T066050 | N/A          |
| 25417 | rac-Tofacitinib (Mixture of Diastereomers)              | VS-T066051 | 344418-92-4  |
| 25418 | Tofacitinib Impurity (N-Des-(2-Cyanide-acetyl)-(3S,4R)) | VS-T066052 | 2378663-15-9 |
| 25419 | Tofacitinib Impurity (N-Des-(2-Cyanide-acetyl)-(3R,4S)) | VS-T066053 | 2459302-75-9 |
| 25420 | Tofacitinib N-hydroxy Impurity                          | VS-T066054 | 2459302-76-0 |
| 25421 | 1-Benzyl-4-methylpiperidin-3-one                        | VS-T066055 | 32018-96-5   |
| 25422 | 7-Deazapurine                                           | VS-T066056 | 271-70-5     |
| 25423 | Tofacitinib Keto Impurity                               | VS-T066057 | 1236267-27-8 |
| 25424 | Tofacitinib Hydroxy Impurity                            | VS-T066058 | N/A          |
| 25425 | Tofacitinib Citrate Recamic Mixture                     | VS-T066059 | N/A          |
| 25426 | Tofacitinib Mixure of Diastereomers                     | VS-T066060 | 2664002-63-3 |
| 25427 | Tofacitinib Diastereomer 1 and 2                        | VS-T066061 | N/A          |
| 25428 | Tofacitinib Related Substance 1                         | VS-T066062 | 2101958-24-9 |
| 25429 | Tofacitinib Related Substance 2                         | VS-T066063 | 2101951-13-5 |
| 25430 | Tofacitinib Related Substance 4                         | VS-T066064 | N/A          |
| 25431 | Tofacitinib Related Substance 5                         | VS-T066065 | N/A          |
| 25432 | Tofacitinib Related Substance 6                         | VS-T066066 | N/A          |
| 25433 | Tofacitinib Dihydro Impurity                            | VS-T066067 | 1640972-35-5 |
| 25434 | Tofacitinib Related Substance 8                         | VS-T066068 | 2101951-20-4 |
| 25435 | Tofacitinib Related Substance 9                         | VS-T066069 | N/A          |
| 25436 | Tofacitinib Related Substance 10                        | VS-T066070 | N/A          |
| 25437 | Tofacitinib Related Substance 11                        | VS-T066071 | N/A          |
| 25438 | Tofacitinib Impurity 2                                  | VS-T066072 | 1640971-51-2 |
| 25439 | Tofacitinib Impurity 3                                  | VS-T066073 | 1206825-36-6 |
| 25440 | Tofacitinib Impurity 4                                  | VS-T066074 | 1675248-18-6 |
| 25441 | Tofacitinib Impurity 5                                  | VS-T066075 | 1354621-59-2 |
| 25442 | Tofacitinib Impurity 6                                  | VS-T066076 | N/A          |
| 25443 | Tofacitinib Impurity 7                                  | VS-T066077 | N/A          |
| 25444 | Tofacitinib Impurity 8                                  | VS-T066078 | 1527525-58-1 |
| 25445 | Tofacitinib Impurity 9                                  | VS-T066079 | 2382711-65-9 |
| 25446 | Tofacitinib Impurity 27                                 | VS-T066080 | N/A          |
| 25447 | Tofacitinib Impurity 28                                 | VS-T066081 | 2227199-31-5 |
| 25448 | Tofacitinib Impurity 29                                 | VS-T066082 | N/A          |
| 25449 | Tofacitinib Impurity 30                                 | VS-T066083 | 105-56-6     |
| 25450 | Tofacitinib Impurity 31                                 | VS-T066084 | 344418-61-7  |
| 25451 | Tofacitinib Impurity 32                                 | VS-T066085 | 477600-69-4  |
| 25452 | Tofacitinib Impurity 33                                 | VS-T066086 | 16372-08-0   |
| 25453 | Tofacitinib Impurity 34                                 | VS-T066087 | 1111638-10-8 |
| 25454 | Tofacitinib Impurity 35                                 | VS-T066088 | 1092578-47-6 |
| 25455 | Tofacitinib Impurity 36                                 | VS-T066089 | N/A          |
| 25456 | Tofacitinib Impurity 40                                 | VS-T066090 | 477600-70-7  |
| 25457 | Tofacitinib -Dihydro Intermediate                       | VS-T066091 | NA           |
| 25458 | Tofacitinib -Enantiomer intermediate                    | VS-T066092 | NA           |
| 25459 | Tofacitinib Impurity 41                                 | VS-T066093 | NA           |
| 25460 | Tofacitinib Impurity 42                                 | VS-T066094 | NA           |
| 25461 | Tofacitinib Impurity 43                                 | VS-T066095 | NA           |

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| 25462 | Tofacitinib N-Nitroso impurity                        | VS-T066096 | NA           |
| 25463 | N-Nitroso Tofacitinib Impurity 2                      | VS-T066097 | NA           |
| 25464 | N-Nitroso Tofacitinib Impurity 3                      | VS-T066098 | NA           |
| 25465 | Tofacitinib Desmethyl Nitrosamine impurity            | VS-T066099 | NA           |
| 25466 | Tolcapone                                             | VS-T067000 | 134308-13-7  |
| 25467 | Tolcapone Related Compound A                          | VS-T067001 | 1391053-03-4 |
| 25468 | Tolcapone Related compound-B                          | VS-T067002 | 134612-80-9  |
| 25469 | Tolcapone 3-beta-D-Glucuronide                        | VS-T067003 | 204853-33-8  |
| 25470 | Tolcapone Impurity 1                                  | VS-T067004 | 1187547-38-1 |
| 25471 | Tolcapone Impurity 2                                  | VS-T067005 | 1187547-40-5 |
| 25472 | Tolcapone Impurity 3                                  | VS-T067006 | 254902-29-9  |
| 25473 | Tolfenamic Acid                                       | VS-T068000 | 13710-19-5   |
| 25474 | Tolfenamic Acid EP Impurity A                         | VS-T068001 | 118-91-2     |
| 25475 | Tolfenamic Acid EP Impurity B                         | VS-T068002 | 87-60-5      |
| 25476 | Tolfenamic Acid EP Impurity C                         | VS-T068003 | 1609192-68-8 |
| 25477 | Tolnaftate                                            | VS-T069000 | 2398-96-1    |
| 25478 | Tolnaftate EP Impurity A                              | VS-T069001 | 135-19-3     |
| 25479 | Tolnaftate EP Impurity B                              | VS-T069002 | 127084-74-6  |
| 25480 | Tolnaftate EP Impurity D                              | VS-T069003 | 696-44-6     |
| 25481 | Tolnaftate Impurity 1                                 | VS-T069004 | 10506-37-3   |
| 25482 | Tolperisone                                           | VS-T070000 | 728-88-1     |
| 25483 | 4'-Methylpropiophenone                                | VS-T070001 | 5337-93-9    |
| 25484 | Tolterodine Tartarate                                 | VS-T070002 | 124937-52-6  |
| 25485 | Tolterodine EP Impurity C                             | VS-T070003 | 124935-88-2  |
| 25486 | Tolterodine EP Impurity F                             | VS-T070004 | 873551-03-2  |
| 25487 | Tolterodine EP Impurity G                             | VS-T070005 | 1554029-91-2 |
| 25488 | Tolterodine 5-Hydroxymethyl Analog (R)-Isomer         | VS-T070006 | 207679-81-0  |
| 25489 | Tolterodine 5-Hydroxymethyl Analog (S)-Isomer         | VS-T070007 | 260389-90-0  |
| 25490 | Tolterodine 5-Hydroxymethyl Analog Racemate           | VS-T070008 | 200801-70-3  |
| 25491 | Tolterodine Lactol Impurity                           | VS-T070009 | 209747-04-6  |
| 25492 | Tolterodine Lactone Impurity Racemate                 | VS-T070010 | 40546-94-9   |
| 25493 | Tolterodine Methoxy Propanol Impurity Racemate        | VS-T070011 | 124937-73-1  |
| 25494 | Tolterodine Methoxy Propylamine Impurity Racemate     | VS-T070012 | 1017224-71-3 |
| 25495 | Tolterodine Monoisopropyl 5-Carboxylic Acid Racemate  | VS-T070013 | 214601-13-5  |
| 25496 | Tolterodine Monoisopropyl Analog Racemate             | VS-T070014 | 480432-14-2  |
| 25497 | Tolterodine Monoisopropyl Methoxy Analog (R)-Isomer   | VS-T070015 | N/A          |
| 25498 | Tolterodine Monoisopropyl Methoxy Analog Racemate     | VS-T070016 | N/A          |
| 25499 | Tolterodine Propanoic Acid Impurity (R)-Isomer        | VS-T070017 | N/A          |
| 25500 | Tolterodine Propanol Impurity Racemate                | VS-T070018 | 851789-43-0  |
| 25501 | Tolterodine Propylamine Impurity Racemate             | VS-T070019 | 1189501-90-3 |
| 25502 | (R)-5-Hydroxymethyl Tolterodine Formate               | VS-T070020 | 380636-49-7  |
| 25503 | 5-Carboxy Tolterodine Formate                         | VS-T070021 | N/A          |
| 25504 | Tolterodine Dimer Impurity (Mixture of Diastereomers) | VS-T070022 | N/A          |
| 25505 | Tolterodine O-Benzyl Impurity                         | VS-T070023 | 848768-06-9  |
| 25506 | 5-Hydroxymethyl rac-Tolterodine Formate               | VS-T070024 | N/A          |
| 25507 | Tolterodine Diol Acetate Impurity                     | VS-T070025 | 2514856-06-3 |
| 25508 | Racemic Tolterodine                                   | VS-T070026 | 124936-74-9  |

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| 25509 | (R)-Desisopropyl Tolterodine                       | VS-T070027 | 194482-41-2  |
| 25510 | Tolteridone Dimer                                  | VS-T070028 | N/A          |
| 25511 | Tolterodine Impurity 1                             | VS-T070029 | N/A          |
| 25512 | Tolterodine Impurity 2                             | VS-T070030 | N/A          |
| 25513 | Tolterodine Impurity 3                             | VS-T070031 | N/A          |
| 25514 | Tolterodine Impurity 4                             | VS-T070032 | 906532-18-1  |
| 25515 | Tolterodine Impurity 5                             | VS-T070033 | 173948-30-6  |
| 25516 | Tolterodine Impurity 6 (p-Cresol, 4-Methyl Phenol) | VS-T070034 | 106-44-5     |
| 25517 | Tolterodine Impurity 7                             | VS-T070035 | N/A          |
| 25518 | Tolterodine Impurity 8                             | VS-T070036 | N/A          |
| 25519 | Tolterodine Impurity 9                             | VS-T070037 | 156755-37-2  |
| 25520 | Tolterodine Impurity 10                            | VS-T070038 | 894773-86-5  |
| 25521 | Tolterodine Dimer                                  | VS-T070039 | 854306-72-2  |
| 25522 | Tolterodine Monomer Impurity                       | VS-T070040 | N/A          |
| 25523 | Tolterodine EP Impurity D                          | VS-T070041 | 1391053-65-8 |
| 25524 | Tolterodine EP Impurity F (free base)              | VS-T070042 | 124937-53-7  |
| 25525 | Tolvaptan                                          | VS-T071000 | 150683-30-0  |
| 25526 | rac-trans-4-Hydroxy Tolvaptan                      | VS-T071001 | 926035-34-9  |
| 25527 | (R)-Tolvaptan                                      | VS-T071002 | 331947-66-1  |
| 25528 | (S)-Tolvaptan                                      | VS-T071003 | 331947-44-5  |
| 25529 | 7-Bromo Tolvaptan                                  | VS-T071004 | N/A          |
| 25530 | Cyanoacetic Acid                                   | VS-T071005 | 372-09-8     |
| 25531 | Tolvaptan Impurity 1                               | VS-T071006 | 1346599-56-1 |
| 25532 | Tolvaptan Impurity 2                               | VS-T071007 | 1346599-75-4 |
| 25533 | Tolvaptan Impurity 3                               | VS-T071008 | 1587638-01-4 |
| 25534 | Tolvaptan Impurity 4                               | VS-T071009 | 1587638-02-5 |
| 25535 | Tolvaptan Impurity 5                               | VS-T071010 | 137973-76-3  |
| 25536 | Tolvaptan Impurity 6                               | VS-T071011 | 1432725-24-0 |
| 25537 | Tolvaptan Impurity 7                               | VS-T071012 | 1432725-23-9 |
| 25538 | Tolvaptan Impurity 8                               | VS-T071013 | N/A          |
| 25539 | Tolvaptan Impurity 9                               | VS-T071014 | 1580889-33-3 |
| 25540 | Tolvaptan Impurity 10                              | VS-T071015 | 137977-97-0  |
| 25541 | Tolvaptan Impurity 11                              | VS-T071016 | N/A          |
| 25542 | Tolvaptan Impurity 12                              | VS-T071017 | 137982-91-3  |
| 25543 | Tolvaptan Impurity 13                              | VS-T071018 | N/A          |
| 25544 | Tolvaptan Impurity 14                              | VS-T071019 | N/A          |
| 25545 | Tolvaptan Impurity 15                              | VS-T071020 | N/A          |
| 25546 | Tolvaptan Impurity 16                              | VS-T071021 | 1580889-25-3 |
| 25547 | Tolvaptan Impurity 17                              | VS-T071022 | 1580889-27-5 |
| 25548 | Tolvaptan Impurity 18                              | VS-T071023 | 1580889-29-7 |
| 25549 | Tolvaptan Impurity 19                              | VS-T071024 | N/A          |
| 25550 | Tolvaptan Impurity 20                              | VS-T071025 | 1975-51-5    |
| 25551 | Tolvaptan Impurity 23                              | VS-T071026 | N/A          |
| 25552 | Tolvaptan Impurity 24                              | VS-T071027 | 160129-45-3  |
| 25553 | Tolvaptan Impurity 25                              | VS-T071028 | 1863916-82-8 |
| 25554 | Tolvaptan Impurity 26                              | VS-T071029 | N/A          |
| 25555 | Tolvaptan Impurity 27                              | VS-T071030 | N/A          |

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| 25556 | Tolvaptan Impurity 28                          | VS-T071031 | 317374-08-6   |
| 25557 | Tolvaptan Impurity 29                          | VS-T071032 | 176970-21-1   |
| 25558 | Tolvaptan Impurity 30                          | VS-T071033 | 1859917-54-6  |
| 25559 | Tolvaptan Impurity 31                          | VS-T071034 | N/A           |
| 25560 | Tolvaptan Impurity 32                          | VS-T071035 | 1859917-22-8  |
| 25561 | Tolvaptan Impurity 33                          | VS-T071036 | 1118884-66-4  |
| 25562 | Tolvaptan Impurity 34                          | VS-T071037 | 1316312-24-9  |
| 25563 | Tolvaptan Impurity 35                          | VS-T071038 | N/A           |
| 25564 | Tolvaptan Impurity 36                          | VS-T071039 | 1310357-40-4  |
| 25565 | Tolvaptan Impurity 37                          | VS-T071040 | 1824346-18-0  |
| 25566 | Tolvaptan Impurity 38                          | VS-T071041 | N/A           |
| 25567 | 4-amino-2-methylbenzamide                      | VS-T071042 | 52771-13-8    |
| 25568 | 7-Chloro-2,3,4,5-tetrahydro-1H-benzo[b]azepine | VS-T071043 | 313673-94-8   |
| 25569 | Tolvaptan Impurity-IIA (NHOH)                  | VS-T071044 | N/A           |
| 25570 | Tolvaptan Impurity 39                          | VS-T071045 | 13506-76-8    |
| 25571 | Tolvaptan Impurity 40                          | VS-T071046 | 1580889-36-6  |
| 25572 | Topiramate                                     | VS-T072000 | 97240-79-4    |
| 25573 | Topiramate EP Impurity A                       | VS-T072001 | 20880-92-6    |
| 25574 | Topiramate EP Impurity B                       | VS-T072002 | 876403-98-4   |
| 25575 | Topiramate EP Impurity C                       | VS-T072003 | 106881-41-8   |
| 25576 | Topiramate EP Impurity D                       | VS-T072004 | 950603-46-0   |
| 25577 | Topiramate Impurity D                          | VS-T072005 | 25018-67-1    |
| 25578 | Topiramate EP Impurity E                       | VS-T072006 | 01-09-47 0:00 |
| 25579 | Topiramate N-Methyl Impurity                   | VS-T072007 | 97240-80-7    |
| 25580 | Topiramate Chlorosulfonyl Impurity             | VS-T072008 | 150609-95-3   |
| 25581 | Topiramate Azidosulfate Impurity               | VS-T072009 | 106881-35-0   |
| 25582 | Topiramate Di-desisopropylidene Impurity       | VS-T072010 | 106881-42-9   |
| 25583 | Topiramate Dimer Impurity                      | VS-T072011 | N/A           |
| 25584 | Topiramate Impurity 1                          | VS-T072012 | 851957-35-2   |
| 25585 | Topiramate Impurity 2                          | VS-T072013 | 32785-90-3    |
| 25586 | Torasemide                                     | VS-T073000 | 56211-40-6    |
| 25587 | Torasemide EP Impurity A                       | VS-T073001 | 72810-61-8    |
| 25588 | Torasemide EP Impurity B                       | VS-T073002 | 72811-73-5    |
| 25589 | Torasemide EP Impurity C                       | VS-T073003 | 58155-35-4    |
| 25590 | Torasemide EP Impurity D                       | VS-T073004 | 160972-33-8   |
| 25591 | Torasemide EP Impurity E                       | VS-T073005 | 72810-57-2    |
| 25592 | Torasemide N-Oxide                             | VS-T073006 | 58154-83-9    |
| 25593 | Torasemide Impurity 1                          | VS-T073007 | 164595-81-7   |
| 25594 | Toxaphene                                      | VS-T074000 | 8001-35-2     |
| 25595 | Toxaphene Impurity 1                           | VS-T074001 | 142534-71-2   |
| 25596 | Toxaphene Impurity 2                           | VS-T074002 | 66860-80-8    |
| 25597 | Toxaphene Impurity 3                           | VS-T074003 | 154159-06-5   |
| 25598 | Trabectedin                                    | VS-T075000 | 114899-77-3   |
| 25599 | Trabectedin Impurity 1                         | VS-T075001 | 80349-71-9    |
| 25600 | Trabectedin Impurity 2                         | VS-T075002 | N/A           |
| 25601 | Trabectedin Impurity 3                         | VS-T075003 | N/A           |
| 25602 | Trabectedin Impurity 4                         | VS-T075004 | 114899-28-4   |

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| 25603 | Trabectedin Impurity 5                       | VS-T075005 | 493024-42-3  |
| 25604 | Trandolapril                                 | VS-T076000 | 87679-37-6   |
| 25605 | Trandolapril EP Impurity A                   | VS-T076001 | 118194-41-5  |
| 25606 | Trandolapril EP Impurity B                   | VS-T076002 | N/A          |
| 25607 | Trandolapril EP Impurity C                   | VS-T076003 | N/A          |
| 25608 | Trandolapril EP Impurity D                   | VS-T076004 | 149881-40-3  |
| 25609 | Trandolapril EP Impurity E                   | VS-T076005 | 87679-71-8   |
| 25610 | Trandolapril EP Impurity F                   | VS-T076006 | N/A          |
| 25611 | Trandaloprilat glucuronide                   | VS-T076007 | N/A          |
| 25612 | Trandolapril Impurity 1(2S,3aS,7aS)          | VS-T076008 | 960039-95-6  |
| 25613 | Trandolapril Impurity 2 (2S,3aR,7aR)         | VS-T076009 | 107081-15-2  |
| 25614 | Trandolapril Impurity 3 (2S,3aR,7aS)         | VS-T076010 | 144540-71-6  |
| 25615 | Trandolapril Impurity 4 (2R,3aS,7aR)         | VS-T076011 | 772310-25-5  |
| 25616 | Trandolapril Impurity 5 (2S,3aS,7aR)         | VS-T076012 | 759429-06-6  |
| 25617 | Trandolapril Impurity 6                      | VS-T076013 | N/A          |
| 25618 | Trandolapril Impurity 7                      | VS-T076014 | N/A          |
| 25619 | Trandolapril Impurity 8                      | VS-T076015 | N/A          |
| 25620 | Trandolapril Impurity 9                      | VS-T076016 | N/A          |
| 25621 | Trandolapril Impurity 10                     | VS-T076017 | 84023-58-5   |
| 25622 | Tranexamic Acid                              | VS-T077000 | 1197-18-8    |
| 25623 | Tranexamic Acid EP Impurity A                | VS-T077001 | 93940-19-3   |
| 25624 | Tranexamic Acid EP Impurity B                | VS-T077002 | 1197-17-7    |
| 25625 | Tranexamic Acid EP Impurity C                | VS-T077003 | 1803601-44-6 |
| 25626 | Tranexamic Acid EP Impurity D                | VS-T077004 | 56-91-7      |
| 25627 | Tranexamic Acid Methyl Ester                 | VS-T077005 | 50738-63-1   |
| 25628 | Tranexamic Acid EP Impurity E                | VS-T077006 | 82755-59-7   |
| 25629 | Tranexamic Acid EP Impurity F                | VS-T077007 | 1599413-49-6 |
| 25630 | N-Nitrosamine Tranexamic Acid Dimer          | VS-T077008 | NA           |
| 25631 | Tranylcypromine                              | VS-T078000 | 155-09-9     |
| 25632 | Tranylcypromine Related Compound A           | VS-T078001 | 13531-35-6   |
| 25633 | Tranylcypromine Related Compound B           | VS-T078002 | N/A          |
| 25634 | Tranylcypromine Impurity C (Cis-hydrazide)   | VS-T078003 | 17364-52-2   |
| 25635 | Tranylcypromine Impurity D (Trans-hydrazide) | VS-T078004 | 14561-40-1   |
| 25636 | Tranylcypromine Sulphate                     | VS-T078005 | 13492-01-8   |
| 25637 | Travoprost                                   | VS-T079000 | 157283-68-6  |
| 25638 | Travoprost 5,6-Trans Isomer                  | VS-T079001 | 1563176-59-9 |
| 25639 | Travoprost 15-Epi Diastereomer               | VS-T079002 | 1420791-14-5 |
| 25640 | Travoprost 15-Keto Derivative                | VS-T079003 | 404830-45-1  |
| 25641 | Travoprost Epoxide Derivative                | VS-T079004 | N/A          |
| 25642 | Travoprost Related Compound A                | VS-T079005 | 54276-17-4   |
| 25643 | Trazodone Hydrochloride                      | VS-T080000 | 25332-39-2   |
| 25644 | Trazodone EP Impurity A                      | VS-T080001 | 55290-68-1   |
| 25645 | Trazodone EP Impurity C                      | VS-T080002 | 157072-19-0  |
| 25646 | Trazodone EP Impurity C (HCl)                | VS-T080003 | 1263278-77-8 |
| 25647 | Trazodone EP Impurity D (HCl)                | VS-T080004 | 1263278-80-3 |
| 25648 | Trazodone Impurity E                         | VS-T080005 | 6323-14-4    |
| 25649 | Trazodone USP Related Compound F             | VS-T080006 | 39577-43-0   |

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| 25650 | Trazodone EP Impurity E                | VS-T080007 | 1346599-35-6  |
| 25651 | Trazodone Isobutyl Ether Analog        | VS-T080008 | 2470441-00-8  |
| 25652 | Trazodone EP Impurity B                | VS-T080009 | 62337-66-0    |
| 25653 | Trazodone EP Impurity J (HCl)          | VS-T080010 | 1263278-79-0  |
| 25654 | Trazodone USP Related Compound F (HCl) | VS-T080011 | 52605-52-4    |
| 25655 | Trazodone EP Impurity I                | VS-T080012 | 32229-98-4    |
| 25656 | Isotrazodone                           | VS-T080013 | N/A           |
| 25657 | Bis(3-chlorophenyl)piperazine          | VS-T080014 | 79975-63-6    |
| 25658 | Trazodone Dimer 1                      | VS-T080015 | N/A           |
| 25659 | Trazodone Dimer 2                      | VS-T080016 | N/A           |
| 25660 | Trazodone EP Impurity K                | VS-T080017 | 6969-71-7     |
| 25661 | Trazodone EP Impurity L                | VS-T080018 | 6640-24-0     |
| 25662 | Trazodone Chlorophenylpiperazine HCl   | VS-T080019 | 13078-15-4    |
| 25663 | Trazodone Dimeric Impurity             | VS-T080020 | N/A           |
| 25664 | Trazodone EP Impurity M                | VS-T080021 | 157072-18-9   |
| 25665 | Trazodone N-Oxide HCl                  | VS-T080022 | 55290-66-9    |
| 25666 | Trazodone Impurity 5                   | VS-T080023 | N/A           |
| 25667 | Trazodone Impurity 6                   | VS-T080024 | 55290-67-0    |
| 25668 | Trazodone Impurity 11                  | VS-T080025 | 09-07-23 0:00 |
| 25669 | Trazodone Impurity 12                  | VS-T080026 | 2514735-38-5  |
| 25670 | Trazodone Impurity 10                  | VS-T080027 | N/A           |
| 25671 | Trazodone Impurity 13                  | VS-T080028 | N/A           |
| 25672 | Trazodone Impurity 28                  | VS-T080029 | 220910-13-4   |
| 25673 | Trazodone EP Impurity M (HCl)          | VS-T080030 | NA            |
| 25674 | Trazodone EP Impurity D                | VS-T080031 | 1263358-13-9  |
| 25675 | Trazodone EP Impurity G                | VS-T080032 | 2470436-00-9  |
| 25676 | Trazodone EP Impurity H                | VS-T080033 | 07-09-23      |
| 25677 | Trazodone EP Impurity J                | VS-T080034 | 1263358-12-8  |
| 25678 | Trazodone-D6 Hydrochloride             | VS-T080035 | 1181578-71-1  |
| 25679 | Trazodone D6                           | VS-T080036 | 1181578-48-2  |
| 25680 | Trazodone                              | VS-T080037 | 19794-93-5    |
| 25681 | Treprostinil                           | VS-T081000 | 81846-19-7    |
| 25682 | Descarboxy Treprostinil                | VS-T081001 | 101692-01-7   |
| 25683 | Descarboxymethyl Treprostinil          | VS-T081002 | 101692-02-8   |
| 25684 | Treprostinil Dimer 1                   | VS-T081003 | N/A           |
| 25685 | Treprostinil Dimer 2                   | VS-T081004 | N/A           |
| 25686 | Treprostinil Impurity 1                | VS-T081005 | 101692-03-9   |
| 25687 | Treprostinil Impurity 3                | VS-T081006 | N/A           |
| 25688 | Treprostinil Impurity 2                | VS-T081007 | N/A           |
| 25689 | Treprostinil Impurity 4                | VS-T081008 | N/A           |
| 25690 | Treprostinil Impurity 5                | VS-T081009 | N/A           |
| 25691 | Tretinoin                              | VS-T082000 | 302-79-4      |
| 25692 | Tretinoin EP Impurity A                | VS-T082001 | 4759-48-2     |
| 25693 | Tretinoin EP Impurity A Sodium Salt    | VS-T082002 | 950669-19-9   |
| 25694 | Tretinoin EP Impurity A Potassium Salt | VS-T082003 | 923057-16-3   |
| 25695 | Tretinoin EP Impurity B                | VS-T082004 | 5352-74-9     |
| 25696 | Tretinoin EP Impurity B Sodium Salt    | VS-T082005 | 1400584-17-9  |

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| 25697 | Tretinoin EP Impurity C                    | VS-T082006 | 3555-80-4    |
| 25698 | Tretinoin EP Impurity D                    | VS-T082007 | 08-03-00     |
| 25699 | Tretinoin EP Impurity D Sodium Salt        | VS-T082008 | 187836-81-3  |
| 25700 | Tretinoin EP Impurity D Potassium Salt     | VS-T082009 | 187836-80-2  |
| 25701 | Tretinoin EP Impurity F                    | VS-T082010 | 81121-20-2   |
| 25702 | Tretinoin EP Impurity G                    | VS-T082011 | 13100-69-1   |
| 25703 | Tretinoin EP Impurity G Sodium Salt        | VS-T082012 | 13100-70-4   |
| 25704 | Tretinoin Sodium Salt                      | VS-T082013 | 13497-05-7   |
| 25705 | Tretinoin Potassium Salt                   | VS-T082014 | 22232-80-0   |
| 25706 | Tretinoin Hydrochloride                    | VS-T082015 | 454221-38-6  |
| 25707 | Tretinoin Impurity 1                       | VS-T082016 | 41144-95-0   |
| 25708 | Tretinoin Impurity 2                       | VS-T082017 | 65812-13-7   |
| 25709 | Triamcinolone                              | VS-T083000 | 124-94-7     |
| 25710 | Triamcinolone EP Impurity A                | VS-T083001 | 67-78-7      |
| 25711 | Triamcinolone EP Impurity B                | VS-T083002 | 3859-65-2    |
| 25712 | Triamcinolone EP Impurity C                | VS-T083003 | 337-02-0     |
| 25713 | Triamcinolone Impurity D                   | VS-T083004 | 5541-37-7    |
| 25714 | Triamcinolone Impurity 1                   | VS-T083005 | 3800-28-0    |
| 25715 | Triamcinolone Impurity 2                   | VS-T083006 | N/A          |
| 25716 | Triamcinolone Hexacetone                   | VS-T083007 | 5611-51-8    |
| 25717 | Triamcinolone Acetonide                    | VS-T084000 | 76-25-5      |
| 25718 | Triamcinolone Acetonide EP Impurity A      | VS-T084001 | 124-94-7     |
| 25719 | Triamcinolone Acetonide EP Impurity B      | VS-T084002 | 1260149-96-9 |
| 25720 | Triamcinolone Acetonide EP Impurity C      | VS-T084003 | 161740-69-8  |
| 25721 | Triamcinolone Acetonide EP Impurity D      | VS-T084004 | 10392-74-2   |
| 25722 | Triamcinolone Acetonide EP Impurity E      | VS-T084005 | 1524-86-3    |
| 25723 | Triamcinolone Acetonide EP Impurity F      | VS-T084006 | 03-07-70     |
| 25724 | 21-Methoxy Triamcinolone Acetonide         | VS-T084007 | 161740-70-1  |
| 25725 | 21-Carboxylic Acid Triamcinolone Acetonide | VS-T084008 | 53962-41-7   |
| 25726 | Triamcinolone Impurity C PG Hemi Acetal    | VS-T084009 | 2196227-63-9 |
| 25727 | Triamcinolone C17 Glyoxilic PG Ester       | VS-T084010 | 2196227-64-0 |
| 25728 | Triamcinolone Acetonide Impurity 1         | VS-T084011 | N/A          |
| 25729 | Triamterene                                | VS-T085000 | 396-01-0     |
| 25730 | Triamterene EP Impurity A                  | VS-T085001 | 1006-23-1    |
| 25731 | Triamterene EP Impurity B                  | VS-T085002 | N/A          |
| 25732 | Triamterene EP Impurity C                  | VS-T085003 | N/A          |
| 25733 | Triamterene EP Impurity D                  | VS-T085004 | 140-29-4     |
| 25734 | 4-Hydroxy Triamterene Sulfate Sodium Salt  | VS-T085005 | 73756-87-3   |
| 25735 | Tribenoside                                | VS-T086000 | 10310-32-4   |
| 25736 | Tribenoside EP Impurity A                  | VS-T086001 | 53928-30-6   |
| 25737 | Tribenoside EP Impurity B                  | VS-T086002 | 28713-39-5   |
| 25738 | Tribenoside EP Impurity C                  | VS-T086003 | 100-52-7     |
| 25739 | Tribenoside EP Impurity D                  | VS-T086004 | 103-50-4     |
| 25740 | Trichlormethiazide                         | VS-T087000 | 133-67-5     |
| 25741 | Trichodesmine                              | VS-T088000 | 548-90-3     |
| 25742 | Triclabendazole                            | VS-T089000 | 68786-66-3   |
| 25743 | Triclabendazole EP Impurity A              | VS-T089001 | 100648-13-3  |



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| 25744 | Trientine                                   | VS-T090000 | 112-24-3     |
| 25745 | Tetraethylene Pentamine                     | VS-T090001 | 112-57-2     |
| 25746 | Trientine Dimer Impurity                    | VS-T090002 | N/A          |
| 25747 | Trientine Impurity 1                        | VS-T090003 | 111-40-0     |
| 25748 | Trientine Impurity 2                        | VS-T090004 | 4097-89-6    |
| 25749 | Trientine Impurity 3                        | VS-T090005 | 140-31-8     |
| 25750 | Trientine Impurity 4                        | VS-T090006 | N/A          |
| 25751 | Trientine Impurity 5                        | VS-T090007 | 31295-46-2   |
| 25752 | Trientine Impurity 6                        | VS-T090008 | 54797-74-9   |
| 25753 | Trientine Impurity 7                        | VS-T090009 | N/A          |
| 25754 | Trientine Impurity 8                        | VS-T090010 | N/A          |
| 25755 | Trientine Impurity 9                        | VS-T090011 | 145260-45-3  |
| 25756 | Trientine Impurity 10                       | VS-T090012 | N/A          |
| 25757 | Trientine Impurity 11                       | VS-T090013 | N/A          |
| 25758 | Trientine Impurity 12                       | VS-T090014 | N/A          |
| 25759 | Trientine Impurity 13                       | VS-T090015 | N/A          |
| 25760 | Trientine Dihydrochloride                   | VS-T090016 | 38260-01-4   |
| 25761 | Trifluoperazine                             | VS-T091000 | 117-89-5     |
| 25762 | Trifluoperazine Dihydrochloride             | VS-T091001 | 440-17-5     |
| 25763 | 2-Trifloromethylphenothiazine               | VS-T091002 | 92-30-8      |
| 25764 | Trifluoperazine 4-isomer                    | VS-T091003 | N/A          |
| 25765 | Trifluoperazine Sulphoxide                  | VS-T091004 | 1549-88-8    |
| 25766 | Trifluoperazine N-Desmethyl Dihydrochloride | VS-T091005 | 4617-82-7    |
| 25767 | Trifluoperazine 4-isomer HCl                | VS-T091006 | N/A          |
| 25768 | Trifluoperazine 4-isomer 2HCl               | VS-T091007 | N/A          |
| 25769 | Trihexyphenidyl Hydrochloride               | VS-T092001 | 52-49-3      |
| 25770 | Trihexyphenidyl EP Impurity A               | VS-T092002 | 886-06-6     |
| 25771 | Trihexyphenidyl                             | VS-T092003 | 144-11-6     |
| 25772 | Trilostane                                  | VS-T093000 | 13647-35-3   |
| 25773 | Trimebutine Maleate                         | VS-T094001 | 34140-59-5   |
| 25774 | Trimebutine EP Impurity A                   | VS-T094002 | 39068-94-5   |
| 25775 | Trimebutine EP Impurity A (HCl)             | VS-T094003 | 60577-23-3   |
| 25776 | Trimebutine EP Impurity B                   | VS-T094004 | 118-41-2     |
| 25777 | Trimebutine EP Impurity C                   | VS-T094005 | 1916-07-0    |
| 25778 | Trimebutine EP Impurity D                   | VS-T094006 | 92414-09-0   |
| 25779 | Trimebutine EP Impurity E (HCl)             | VS-T094007 | 294882-33-0  |
| 25780 | Trimebutine Amino Alcohol Impurity          | VS-T094008 | 104743-23-9  |
| 25781 | Trimebutine EP Impurity E                   | VS-T094009 | 84333-59-5   |
| 25782 | Trimebutine                                 | VS-T094010 | 39133-31-8   |
| 25783 | 3,4,5-Trimethoxybenzoic Acid D9             | VS-T094011 | 84759-05-07  |
| 25784 | Trimetazidine DiHCl                         | VS-T095001 | 13171-25-0   |
| 25785 | Trimetazidine EP Impurity A                 | VS-T095002 | 52146-35-7   |
| 25786 | Trimetazidine EP Impurity B                 | VS-T095003 | 1257-19-8    |
| 25787 | Trimetazidine EP Impurity C                 | VS-T095004 | 2103-57-3    |
| 25788 | Trimetazidine EP Impurity D                 | VS-T095005 | 71989-96-3   |
| 25789 | Trimetazidine EP Impurity E                 | VS-T095006 | 2518359-32-3 |
| 25790 | Trimetazidine EP Impurity F                 | VS-T095007 | 113698-83-2  |

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| 25791 | Trimetazidine EP Impurity G              | VS-T095008 | 110-85-0     |
| 25792 | Trimetazidine EP Impurity G (2HCl)       | VS-T095009 | 142-64-3     |
| 25793 | Trimetazidine EP Impurity I              | VS-T095010 | 53960-20-6   |
| 25794 | Trimetazidine EP Impurity J              | VS-T095011 | 879646-17-0  |
| 25795 | Trimetazidine EP Impurity H              | VS-T095012 | N/A          |
| 25796 | Trimetazidine Impurity F                 | VS-T095013 | 754147-91-6  |
| 25797 | Trimetazidine N-Oxide                    | VS-T095014 | N/A          |
| 25798 | N-Formyl Trimetazidine                   | VS-T095015 | 92700-82-8   |
| 25799 | Trimetazidine Dihydrochloride Impurity E | VS-T095016 | 356083-64-2  |
| 25800 | Trimetazidine Dihydrochloride Impurity H | VS-T095017 | 53531-01-4   |
| 25801 | Trimetazidine Impurity I                 | VS-T095018 | 93152-26-2   |
| 25802 | N-Nitroso Trimetazidine                  | VS-T095019 | N/A          |
| 25803 | N-Nitroso Trimetazidine-D9               | VS-T095020 | N/A          |
| 25804 | Trimetazidine                            | VS-T095021 | 5011-34-7    |
| 25805 | Trimethobenzamide Hydrochloride          | VS-T096001 | 554-92-7     |
| 25806 | Desoxy-Trimethoxybenzamide HCl           | VS-T096002 | N/A          |
| 25807 | Trimethobenzamide Impurity C             | VS-T096003 | N/A          |
| 25808 | Trimethobenzamide Impurity E             | VS-T096004 | 1445977-42-3 |
| 25809 | Trimethobenzamide Impurity F             | VS-T096005 | 2415449-18-0 |
| 25810 | Trimethobenzamide Impurity H             | VS-T096006 | N/A          |
| 25811 | Trimethobenzamide Impurity 1             | VS-T096007 | 1107613-95-5 |
| 25812 | Trimethobenzamide Impurity 2             | VS-T096008 | 118-41-2     |
| 25813 | Trimethobenzamide Impurity 3             | VS-T096009 | N/A          |
| 25814 | Trimethobenzamide Impurity 4             | VS-T096010 | 346704-37-8  |
| 25815 | Trimethobenzamide Impurity 5             | VS-T096011 | 1445977-41-2 |
| 25816 | Trimethoprim                             | VS-T097000 | 738-70-5     |
| 25817 | Trimethoprim EP Impurity A               | VS-T097001 | 213745-86-9  |
| 25818 | Trimethoprim EP Impurity B               | VS-T097002 | 30806-86-1   |
| 25819 | Trimethoprim EP Impurity C               | VS-T097003 | 29606-06-2   |
| 25820 | Trimethoprim EP Impurity D               | VS-T097004 | 92440-76-1   |
| 25821 | Trimethoprim EP Impurity E               | VS-T097005 | 60729-91-1   |
| 25822 | Trimethoprim EP Impurity F               | VS-T097006 | 16285-82-8   |
| 25823 | Trimethoprim EP Impurity G               | VS-T097007 | 78025-68-0   |
| 25824 | Trimethoprim EP Impurity H               | VS-T097008 | 1916-07-0    |
| 25825 | Trimethoprim EP Impurity I               | VS-T097009 | 30078-48-9   |
| 25826 | Trimethoprim EP Impurity J               | VS-T097010 | 118-41-2     |
| 25827 | Trimethoprim EP Impurity K               | VS-T097011 | 62-53-3      |
| 25828 | Syringaldehyde                           | VS-T097012 | 134-96-3     |
| 25829 | Trimethoprim Impurity 1                  | VS-T097013 | 93885-69-9   |
| 25830 | Trimethoprim Impurity 2                  | VS-T097014 | 72920-13-9   |
| 25831 | Trimethoprim Impurity 3                  | VS-T097015 | 92653-78-6   |
| 25832 | Trimethoprim Impurity 4                  | VS-T097016 | 86-81-7      |
| 25833 | Trimethoprim Impurity 5                  | VS-T097017 | 30077-85-1   |
| 25834 | Trimipramine Maleate                     | VS-T098001 | 521-78-8     |
| 25835 | Trimipramine N-Glucuronide               | VS-T098002 | 165602-84-6  |
| 25836 | Trimipramine Maleate EP Impurity A       | VS-T098003 | 14171-70-1   |
| 25837 | Trimipramine Maleate EP Impurity B       | VS-T098004 | 2293-21-2    |

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| 25838 | Trimipramine Maleate EP Impurity C  | VS-T098005 | 315-69-5     |
| 25839 | Trimipramine Maleate EP Impurity D  | VS-T098006 | 50-49-7      |
| 25840 | Trimipramine Maleate EP Impurity E  | VS-T098007 | N/A          |
| 25841 | Trimipramine Maleate EP Impurity F  | VS-T098008 | 494-19-9     |
| 25842 | Trimipramine Maleate EP Impurity G  | VS-T098009 | 150802-55-4  |
| 25843 | Triptorelin                         | VS-T099000 | 57773-63-4   |
| 25844 | Triptorelin Acetate                 | VS-T099001 | 140194-24-7  |
| 25845 | Triricinolein                       | VS-T100000 | 2540-54-7    |
| 25846 | Diricinoleoyl-linoleoyl-glycerol    | VS-T100001 | N/A          |
| 25847 | Diricinoleoyl-oleoyl-glycerol       | VS-T100002 | N/A          |
| 25848 | Diricinoleoyl-palmitoyl-glycerol    | VS-T100003 | 2281875-36-1 |
| 25849 | Diricinoleoyl-stearoyl-glycerol     | VS-T100004 | 303082-20-4  |
| 25850 | Tropicamide                         | VS-T101000 | 1508-75-4    |
| 25851 | Tropicamide EP Impurity A           | VS-T101001 | 33403-97-3   |
| 25852 | Tropicamide EP Impurity B           | VS-T101002 | 57322-50-6   |
| 25853 | Tropicamide EP Impurity C           | VS-T101003 | 552-63-6     |
| 25854 | Tropicamide EP Impurity D           | VS-T101004 | 103-82-2     |
| 25855 | Trospium Chloride                   | VS-T102000 | 10405-02-4   |
| 25856 | Trospium Chloride EP Impurity A     | VS-T102001 | 76-93-7      |
| 25857 | Trospium Chloride EP Impurity B     | VS-T102002 | 16444-19-2   |
| 25858 | Trospium Chloride EP Impurity C     | VS-T102003 | 99945-31-0   |
| 25859 | L-Tryptophan                        | VS-T103000 | 73-22-3      |
| 25860 | N-Acetyl-DL-Tryptophan              | VS-T103001 | 87-32-1      |
| 25861 | D-tryptophyl-D-tryptophan           | VS-T103002 | 58607-72-0   |
| 25862 | Indole-3-Carboxyaldehyde            | VS-T103003 | 487-89-8     |
| 25863 | Tryptophan EP Impurity A            | VS-T103004 | 132685-02-0  |
| 25864 | N-Nitroso D-Tryptophan Methyl Ester | VS-T103005 | NA           |
| 25865 | 7-Methyl Tryptophol                 | VS-T103006 | 39232-85-4   |
| 25866 | Tryptophol                          | VS-T104000 | 526-55-6     |
| 25867 | Tucatinib                           | VS-T105000 | 937263-43-9  |
| 25868 | Tucatinib Impurity 1                | VS-T105001 | 937263-44-0  |
| 25869 | Tucatinib Impurity 2                | VS-T105002 | 1229236-86-5 |
| 25870 | Tucatinib Impurity 3                | VS-T105003 | 2307628-66-4 |
| 25871 | Tulathromycin                       | VS-T106000 | 217500-96-4  |
| 25872 | Tulathromycin TA-1 Impurity         | VS-T106001 | 352032-78-1  |
| 25873 | Tulathromycin TA-2 Impurity         | VS-T106002 | 371193-61-2  |
| 25874 | Tulathromycin TA-3 Impurity         | VS-T106003 | 217649-77-9  |
| 25875 | Tulathromycin TA-4 Impurity         | VS-T106004 | 592476-90-9  |
| 25876 | Tulathromycin Impurity B            | VS-T106005 | 280755-12-6  |
| 25877 | Tulathromycin Impurity C            | VS-T106006 | 352032-81-6  |
| 25878 | Tulathromycin Impurity D            | VS-T106007 | 371193-60-1  |
| 25879 | Tulathromycin Impurity E            | VS-T106008 | 217500-34-0  |
| 25880 | Tulathromycin Impurity 1            | VS-T106009 | N/A          |
| 25881 | Tulathromycin Impurity 2            | VS-T106010 | N/A          |
| 25882 | Tulathromycin Impurity 3            | VS-T106011 | N/A          |
| 25883 | Tulathromycin Impurity 4            | VS-T106012 | N/A          |
| 25884 | Tulathromycin Impurity 5            | VS-T106013 | 76801-85-9   |

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| 25885 | Tulathromycin Impurity 6                                       | VS-T106014 | N/A          |
| 25886 | Tramadol                                                       | VS-T107000 | 27203-92-5   |
| 25887 | Tramadol Hydrochloride                                         | VS-T107001 | 36282-47-0   |
| 25888 | Tramadol EP Impurity A                                         | VS-T107002 | 152538-36-8  |
| 25889 | Tramadol EP Impurity B                                         | VS-T107003 | 66170-32-9   |
| 25890 | Tramadol Impurity C                                            | VS-T107004 | 192384-41-1  |
| 25891 | Tramadol Impurity C (HCl)                                      | VS-T107005 | 66170-31-8   |
| 25892 | Tramadol Impurity D (HCl)                                      | VS-T107006 | 185453-02-5  |
| 25893 | Tramadol Impurity E                                            | VS-T107007 | 15409-60-6   |
| 25894 | Tramadol Impurity E (HCl)                                      | VS-T107008 | 42036-65-7   |
| 25895 | (+)-O-Desmethyl Tramadol                                       | VS-T107009 | 80456-81-1   |
| 25896 | (-)-(S,S)-trans-Tramadol                                       | VS-T107010 | 123134-25-8  |
| 25897 | N-Desmethyl N-Nitro Tramadol                                   | VS-T107011 | NA           |
| 25898 | Tramadol Impurity 1                                            | VS-T107012 | 45765-17-1   |
| 25899 | Tetrabenazine                                                  | VS-T108000 | 58-46-8      |
| 25900 | trans (2,3)-Dihydro Tetrabenazine                              | VS-T108001 | 171598-74-6  |
| 25901 | Beta Hydroxy Tetrabenazine                                     | VS-T108002 | 113627-25-1  |
| 25902 | 9-Desmethyl Tetrabenazine                                      | VS-T108003 | 149183-89-1  |
| 25903 | 2R,3S,11bS)-Dihydrotetrabenazine                               | VS-T108004 | 924854-62-6  |
| 25904 | 9-Desmethyl-alpha-dihydrotetrabenazine                         | VS-T108005 | 1065193-59-0 |
| 25905 | 9-Desmethyl-beta-dihydrotetrabenazine                          | VS-T108006 | 1214267-68-1 |
| 25906 | 3-((Dimethylamino)methyl)-5-methylhexan-2-one                  | VS-T108007 | 91342-74-4   |
| 25907 | Tetrabenazine Racemates (Mixture of Cis - Trans Tetrabenazine) | VS-T108008 | 718635-93-9  |
| 25908 | (+,-)-Trans Dihydro Tetrabenzene                               | VS-T108009 | N/A          |
| 25909 | (+,-)-Trans Dihydro Tetrabenzene                               | VS-T108010 | N/A          |
| 25910 | (SR)-Deutetrabenazine                                          | VS-T108011 | N/A          |
| 25911 | (RS)-Deutetrabenazine                                          | VS-T108012 | N/A          |
| 25912 | Dehydro Deutetrabenazine                                       | VS-T108013 | N/A          |
| 25913 | (3R,11bR)-Tetrabenazine                                        | VS-T108014 | 1026016-83-0 |
| 25914 | Tetrabenazine Related Compound 2                               | VS-T108015 | 99672-64-7   |
| 25915 | Tetrabenazine Related Compound 3                               | VS-T108016 | N/A          |
| 25916 | Tetrabenazine Related Compound 5                               | VS-T108017 | 164104-49-8  |
| 25917 | Tetrabenazine Related Compound 6 (2S,3R,11bR)                  | VS-T108018 | 924854-60-4  |
| 25918 | Tetrabenazine Related Compound 27 (2R,3R,11bR)                 | VS-T108019 | 85081-18-1   |
| 25919 | Tetrabenazine Impurity 1                                       | VS-T108020 | 1069-62-1    |
| 25920 | Tetrabenazine Impurity 2                                       | VS-T108021 | 635-85-8     |
| 25921 | Tetrabenazine Impurity 3                                       | VS-T108022 | 14301-36-1   |
| 25922 | Tetrabenazine Impurity 4                                       | VS-T108023 | 20232-39-7   |
| 25923 | Tetrabenazine Impurity 5                                       | VS-T108024 | N/A          |
| 25924 | Tetrabenazine Impurity 6                                       | VS-T108025 | 1187-87-7    |
| 25925 | Tetrabenazine Impurity 7                                       | VS-T108026 | 1381929-92-5 |
| 25926 | Tetrabenazine Impurity 8                                       | VS-T108027 | 120-20-7     |
| 25927 | Tetrabenazine Impurity 9                                       | VS-T108028 | 3382-18-1    |
| 25928 | Tetrabenazine Impurity 10                                      | VS-T108029 | 3466-75-9    |
| 25929 | Tetrabenazine Impurity 12                                      | VS-T108030 | 100322-43-8  |
| 25930 | Tetrabenazine Impurity 13                                      | VS-T108031 | 1555366-92-1 |
| 25931 | Tetrabenazine Impurity 14                                      | VS-T108032 | N/A          |

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|-------|----------------------------------------|------------|--------------|
| 25932 | Tetrabenazine Impurity 15              | VS-T108033 | 862377-29-5  |
| 25933 | Tetrabenazine Impurity 16              | VS-T108034 | 862377-27-3  |
| 25934 | Tetrabenazine Impurity 17              | VS-T108035 | 862377-33-1  |
| 25935 | Tetrabenazine Impurity 18              | VS-T108036 | 862377-31-9  |
| 25936 | Tetrabenazine Impurity 19              | VS-T108037 | 19328-35-9   |
| 25937 | Tetrabenazine Impurity 20              | VS-T108038 | N/A          |
| 25938 | Tetrabenazine Impurity 21              | VS-T108039 | 16536-62-2   |
| 25939 | Tetrabenazine Impurity 22              | VS-T108040 | N/A          |
| 25940 | Tetrabenazine Impurity 23              | VS-T108041 | 86457-13-8   |
| 25941 | 1-(Dimethylamino)-6-Methylheptan-3-One | VS-T108042 | 107245-26-1  |
| 25942 | N Desmethyl Topotecan                  | VS-T109000 | 190710-79-3  |
| 25943 | Temazepam EP impurity A                | VS-T110000 | 1022-13-5    |
| 25944 | Temazepam EP impurity B                | VS-T110001 | 604-75-1     |
| 25945 | Temazepam EP impurity C                | VS-T110002 | 18818-64-9   |
| 25946 | Temazepam EP impurity D                | VS-T110003 | 17191-70-7   |
| 25947 | Temazepam EP impurity E                | VS-T110004 | 2888-64-4    |
| 25948 | Temazepam EP impurity F                | VS-T110005 | 3294-96-0    |
| 25949 | Temazepam EP impurity G                | VS-T110006 | 93329-92-1   |
| 25950 | N-Nitroso Temazepam EP Impurity A      | VS-T110007 | 51145-18-7   |
| 25951 | Tioconazole                            | VS-T111000 | 65899-73-2   |
| 25952 | Taurine                                | VS-T112000 | 107-35-7     |
| 25953 | Tegafur                                | VS-T113000 | 17902-23-7   |
| 25954 | Trofinetide                            | VS-T114000 | 853400-76-7  |
| 25955 | Trofinetide R-Isomer                   | VS-T114001 | NA           |
| 25956 | Trofinetide Ethyl Ester Impurity       | VS-T114002 | NA           |
| 25957 | Trofinetide Methyl Ester Impurity      | VS-T114003 | NA           |
| 25958 | Trofinetide Impurity 1                 | VS-T114004 | NA           |
| 25959 | Tripolidine hydrochloride              | VS-T115000 | 6138-79-0    |
| 25960 | Tuaminoheptane Sulfate                 | VS-T116000 | 6411-75-2    |
| 25961 | Trilaciclib                            | VS-T117000 | 1374743-00-6 |
| 25962 | N-Nitroso Trilaciclib                  | VS-T117001 | NA           |
| 25963 | Trehalose Dihydrate                    | VS-T118000 | 6138-23-4    |
| 25964 | Trehalose                              | VS-T118001 | 99-20-7      |
| 25965 | Treosulfan                             | VS-T119000 | 299-75-2     |
| 25966 | Trelagliptin                           | VS-T120000 | 865759-25-7  |
| 25967 | Trelagliptin Impurity A                | VS-T120001 | 865759-24-6  |
| 25968 | Trelagliptin Impurity B                | VS-T120002 | 4318-56-3    |
| 25969 | Trelagliptin Impurity C                | VS-T120003 | 421552-12-7  |
| 25970 | Trelagliptin Impurity D                | VS-T120004 | 334618-23-4  |
| 25971 | Taurodeoxycholic Acid                  | VS-T121000 | 516-50-7     |
| 25972 | Taurodeoxycholic Acid Sodium Salt      | VS-T121001 | 1180-95-6    |
| 25973 | Taurodeoxycholic acid D5               | VS-T121002 | 2044276-15-3 |
| 25974 | Ulipristal                             | VS-U001000 | 159811-51-5  |
| 25975 | Ulipristal Acetate                     | VS-U001001 | 126784-99-4  |
| 25976 | N,N-Didesmethyl Ulipristal             | VS-U001002 | 244206-52-8  |
| 25977 | Ulipristal N-Desmethyl Impurity        | VS-U001003 | 159681-67-1  |
| 25978 | N-Desmethyl Ulipristal Acetate         | VS-U001004 | 159681-66-0  |

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| 25979 | N,N-Didesmethyl Impurity Ulipristal Acetate      | VS-U001005 | 244206-49-3  |
| 25980 | Ulipristal Acetate N-Oxide Impurity              | VS-U001006 | 1927850-00-7 |
| 25981 | Ulipristal Acetate Metabolite (UPA+2H)           | VS-U001007 | N/A          |
| 25982 | Ulipristal Mono Ketal Impurity                   | VS-U001008 | 42982-49-0   |
| 25983 | Ulipristal Epoxy Compound                        | VS-U001009 | 1941239-55-9 |
| 25984 | Ulipristal Impurity 1                            | VS-U001010 | 33300-19-5   |
| 25985 | Ulipristal Impurity 2                            | VS-U001011 | 1655514-74-1 |
| 25986 | Ulipristal Impurity 3                            | VS-U001012 | 709615-25-8  |
| 25987 | Ulipristal Impurity 4                            | VS-U001013 | N/A          |
| 25988 | Ulipristal Impurity 5                            | VS-U001014 | N/A          |
| 25989 | Umeclidinium Bromide                             | VS-U002000 | 869113-09-7  |
| 25990 | Umeclidium Bromide Impurity A                    | VS-U002001 | 461648-39-5  |
| 25991 | Umeclidium Bromide Impurity B                    | VS-U002002 | 869184-56-5  |
| 25992 | Umeclidium Bromide Impurity C                    | VS-U002003 | 869185-20-6  |
| 25993 | Ethyl piperidine-4-carboxylate                   | VS-U002004 | 1126-09-6    |
| 25994 | Ethyl-1-(2-hydroxyethyl)piperidine-4-carboxylate | VS-U002005 | 939900-20-6  |
| 25995 | Ethyl-1-(2-chloroethyl)piperidine-4-carboxylate  | VS-U002006 | 869112-14-1  |
| 25996 | Umeclidinium Bromide Impurity 1                  | VS-U002007 | 869112-31-2  |
| 25997 | Umeclidinium Bromide Impurity 2                  | VS-U002008 | 869113-10-0  |
| 25998 | Upadacitinib                                     | VS-U003000 | 1310726-60-3 |
| 25999 | Upadacitinib Impurity 1                          | VS-U003001 | N/A          |
| 26000 | Upadacitinib Impurity 2                          | VS-U003002 | 1260665-49-3 |
| 26001 | Upadacitinib Impurity 3                          | VS-U003003 | 1310726-59-0 |
| 26002 | Upadacitinib Impurity 4                          | VS-U003004 | N/A          |
| 26003 | Upadacitinib Impurity 5                          | VS-U003005 | N/A          |
| 26004 | Upadacitinib Impurity 6                          | VS-U003006 | N/A          |
| 26005 | Upadacitinib Impurity 7                          | VS-U003007 | N/A          |
| 26006 | Urapidil                                         | VS-U004000 | 34661-75-1   |
| 26007 | O-Desmethyl Urapidil                             | VS-U004001 | 91453-03-1   |
| 26008 | p-Hydroxy Urapidil                               | VS-U004002 | 88733-12-4   |
| 26009 | Urapidil Impurity 1                              | VS-U004003 | 34654-81-4   |
| 26010 | Urapidil Impurity 2                              | VS-U004004 | 34661-79-5   |
| 26011 | Urapidil Impurity 3                              | VS-U004005 | 34661-73-9   |
| 26012 | Urapidil Impurity 4                              | VS-U004006 | 769-42-6     |
| 26013 | Urapidil Impurity 5                              | VS-U004007 | 142944-48-7  |
| 26014 | Urapidil Impurity 6                              | VS-U004008 | N/A          |
| 26015 | Urapidil Impurity 7                              | VS-U004009 | 20529-23-1   |
| 26016 | Ursodeoxycholic Acid                             | VS-U005000 | 128-13-2     |
| 26017 | Ursodeoxycholic Acid EP Impurity A               | VS-U005001 | 474-25-9     |
| 26018 | Ursodeoxycholic Acid EP Impurity B               | VS-U005002 | 81-25-4      |
| 26019 | Ursodeoxycholic Acid EP Impurity C               | VS-U005003 | 434-13-9     |
| 26020 | Ursodeoxycholic Acid EP Impurity D               | VS-U005004 | 2955-27-3    |
| 26021 | Ursodeoxycholic Acid EP Impurity E               | VS-U005005 | 83-44-3      |
| 26022 | Ursodeoxycholic Acid EP Impurity F               | VS-U005006 | 4651-67-6    |
| 26023 | Ursodeoxycholic Acid EP Impurity G               | VS-U005007 | 10538-55-3   |
| 26024 | Ursodeoxycholic Acid EP Impurity H               | VS-U005008 | 78919-26-3   |
| 26025 | Ursodeoxycholic Acid EP Impurity I               | VS-U005009 | 130593-75-8  |

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| 26026 | Dehydrocholic Acid                                               | VS-U005010 | 81-23-2      |
| 26027 | 7-Ketodeoxycholic Acid                                           | VS-U005011 | 911-40-0     |
| 26028 | 6- $\beta$ -Ethyl-7-oxo-lithocholic Acid                         | VS-U005012 | N/A          |
| 26029 | 24-Nor Ursodeoxycholic Acid                                      | VS-U005013 | 99697-24-2   |
| 26030 | 3 $\alpha$ ,12 $\alpha$ -dihydroxy-5 $\beta$ -cholan-24-oic acid | VS-U005014 | N/A          |
| 26031 | Ubidecarenone                                                    | VS-U007000 | 303-98-0     |
| 26032 | Ubidecarenone EP Impurity A                                      | VS-U007001 | 3066-90-8    |
| 26033 | Ubidecarenone EP Impurity B                                      | VS-U007002 | 303-95-7     |
| 26034 | Ubidecarenone EP Impurity C                                      | VS-U007003 | 2394-68-5    |
| 26035 | Ubidecarenone EP Impurity D                                      | VS-U007004 | 303-97-9     |
| 26036 | Ubidecarenone EP Impurity E                                      | VS-U007005 | 2382-48-1    |
| 26037 | Ubidecarenone EP Impurity F                                      | VS-U007006 | 65085-29-2   |
| 26038 | Ubrogepant                                                       | VS-U008000 | 1374248-77-7 |
| 26039 | Ubrogepant Impurity 1                                            | VS-U008001 | 1375541-21-1 |
| 26040 | Ubrogepant Impurity 2                                            | VS-U008002 | 1456803-39-6 |
| 26041 | Ubrogepant Impurity 3                                            | VS-U008003 | NA           |
| 26042 | Ubrogepant Impurity 4                                            | VS-U008004 | NA           |
| 26043 | Ubrogepant Impurity 5                                            | VS-U008005 | NA           |
| 26044 | Ubrogepant D5                                                    | VS-U008006 | NA           |
| 26045 | Umifenovir                                                       | VS-U009000 | 131707-25-0  |
| 26046 | Umifenovir Impurity 1                                            | VS-U009001 | 131707-24-9  |
| 26047 | Umifenovir Impurity 2                                            | VS-U009002 | 153633-10-4  |
| 26048 | Umifenovir Impurity 3                                            | VS-U009003 | 1332614-17-1 |
| 26049 | Umifenovir Impurity 4                                            | VS-U009004 | 1130901-04-0 |
| 26050 | Umifenovir Impurity 5                                            | VS-U009005 | NA           |
| 26051 | Vaborbactam                                                      | VS-V001000 | 1360457-46-0 |
| 26052 | Boric Acid                                                       | VS-V001001 | 10043-35-3   |
| 26053 | Vaborbactam Enantiomer                                           | VS-V001002 | N/A          |
| 26054 | 2-(Thiophen-3-yl)acetic acid                                     | VS-V001003 | 6964-21-2    |
| 26055 | 2-(Chloromethyl)thiophene                                        | VS-V001004 | 765-50-4     |
| 26056 | Tetrachloroethylene                                              | VS-V001005 | 127-18-4     |
| 26057 | Vaborbactam Impurity 1                                           | VS-V001006 | N/A          |
| 26058 | Vaborbactam Impurity 2                                           | VS-V001007 | N/A          |
| 26059 | Vaborbactam Impurity 3                                           | VS-V001008 | 4461-29-4    |
| 26060 | Vaborbactam Impurity 4                                           | VS-V001009 | 1918-77-0    |
| 26061 | Vaborbactam Impurity 5                                           | VS-V001010 | N/A          |
| 26062 | Vaborbactam Impurity 6                                           | VS-V001011 | N/A          |
| 26063 | Vaborbactam Impurity 7                                           | VS-V001012 | N/A          |
| 26064 | Vaborbactam Impurity 8                                           | VS-V001013 | N/A          |
| 26065 | Vaborbactam Impurity 9                                           | VS-V001014 | N/A          |
| 26066 | Vaborbactam Impurity 10                                          | VS-V001015 | N/A          |
| 26067 | Vaborbactam Impurity 11                                          | VS-V001016 | N/A          |
| 26068 | Vaborbactam Impurity 12                                          | VS-V001017 | N/A          |
| 26069 | Vaborbactam Impurity 13                                          | VS-V001018 | N/A          |
| 26070 | Vaborbactam Impurity 14                                          | VS-V001019 | N/A          |
| 26071 | Vaborbactam Impurity 15                                          | VS-V001020 | N/A          |
| 26072 | Vaborbactam Impurity 16                                          | VS-V001021 | N/A          |

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| 26073 | Vaborbactam Impurity 17               | VS-V001022 | N/A          |
| 26074 | Vaborbactam Impurity 18               | VS-V001023 | N/A          |
| 26075 | Vaborbactam Impurity 19               | VS-V001024 | 1681053-96-2 |
| 26076 | Vaborbactam Impurity 20               | VS-V001025 | 1892-57-5    |
| 26077 | Valaciclovir Hydrochloride            | VS-V002001 | 124832-27-5  |
| 26078 | Valaciclovir Hydrochloride Dihydrate  | VS-V002002 | 502421-45-6  |
| 26079 | Acyclovir L-Leucinate                 | VS-V002003 | 142963-69-7  |
| 26080 | Valaciclovir EP Impurity A            | VS-V002004 | 73-40-5      |
| 26081 | Valaciclovir EP Impurity B            | VS-V002005 | 59277-89-3   |
| 26082 | Valaciclovir EP Impurity C            | VS-V002006 | 1346747-65-6 |
| 26083 | Valaciclovir EP Impurity C (HCl)      | VS-V002007 | 1346617-39-7 |
| 26084 | Valaciclovir EP Impurity D            | VS-V002008 | 1346747-69-0 |
| 26085 | Valaciclovir EP Impurity E            | VS-V002009 | 124832-31-1  |
| 26086 | Valaciclovir EP Impurity F            | VS-V002010 | 86150-61-0   |
| 26087 | Valaciclovir EP Impurity G            | VS-V002011 | 1122-58-3    |
| 26088 | Valaciclovir EP Impurity H (HCl)      | VS-V002012 | 84499-63-8   |
| 26089 | Valaciclovir EP Impurity I            | VS-V002013 | 102728-64-3  |
| 26090 | Valaciclovir EP Impurity J            | VS-V002014 | 124832-29-7  |
| 26091 | Valaciclovir EP Impurity K            | VS-V002015 | N/A          |
| 26092 | Valaciclovir EP Impurity L            | VS-V002016 | 1797131-64-6 |
| 26093 | Valaciclovir EP Impurity M            | VS-V002017 | 847670-62-6  |
| 26094 | Valaciclovir EP Impurity N            | VS-V002018 | 2519847-26-6 |
| 26095 | Valaciclovir EP Impurity O            | VS-V002019 | N/A          |
| 26096 | Valaciclovir EP Impurity P            | VS-V002020 | 1356019-51-6 |
| 26097 | Valaciclovir EP Impurity Q            | VS-V002021 | N/A          |
| 26098 | Valaciclovir EP Impurity R            | VS-V002022 | 142963-60-8  |
| 26099 | Valaciclovir EP Impurity S            | VS-V002023 | 502421-44-5  |
| 26100 | Valaciclovir                          | VS-V002024 | 124832-26-4  |
| 26101 | Valaciclovir Ep Impurity F(Free Base) | VS-V002025 | 86150-60-9   |
| 26102 | Valaciclovir EP Impurity R (HCl Salt) | VS-V002026 | 124832-28-6  |
| 26103 | Valaciclovir EP Impurity H            | VS-V002027 | 84499-64-9   |
| 26104 | Valacyclovir Valine Impurity          | VS-V002028 | N/A          |
| 26105 | Valbenazine                           | VS-V003000 | 1025504-45-3 |
| 26106 | Valbenazine N-oxide Impurity          | VS-V003001 | N/A          |
| 26107 | Valbenazine Impurity 1 (SRRS)         | VS-V003002 | N/A          |
| 26108 | Valbenazine Impurity 1 (RRRR)         | VS-V003003 | N/A          |
| 26109 | Valbenazine Impurity 1 (SSSR)         | VS-V003004 | N/A          |
| 26110 | Valbenazine Impurity 1 (SSSS)         | VS-V003005 | N/A          |
| 26111 | Valbenazine Impurity 2                | VS-V003006 | 2237934-70-0 |
| 26112 | Valbenazine Impurity 3                | VS-V003007 | N/A          |
| 26113 | Valbenazine Impurity 4                | VS-V003008 | 2624055-86-1 |
| 26114 | Valbenazine Impurity 5                | VS-V003009 | 2624055-87-2 |
| 26115 | Valbenazine Impurity 6                | VS-V003010 | N/A          |
| 26116 | Valdecoxib                            | VS-V004000 | 181695-72-7  |
| 26117 | Valerenic Acid                        | VS-V005000 | 06-10-69     |
| 26118 | Valganciclovir                        | VS-V006000 | 175865-60-8  |
| 26119 | Valganciclovir Hydrochloride          | VS-V006001 | 175865-59-5  |



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| 26120 | Valganciclovir USP RC A                                                     | VS-V006002 | 82410-32-0   |
| 26121 | Valganciclovir USP RC B                                                     | VS-V006003 | 73-40-5      |
| 26122 | Valganciclovir USP RC C                                                     | VS-V006004 | 1202645-50-8 |
| 26123 | Valganciclovir USP RC D (TFA)                                               | VS-V006005 | N/A          |
| 26124 | Valganciclovir USP RC D (Mixture of Diastereomers)                          | VS-V006006 | N/A          |
| 26125 | Valganciclovir USP RC E                                                     | VS-V006007 | 88110-89-8   |
| 26126 | Valganciclovir USP RC F                                                     | VS-V006008 | 130914-71-5  |
| 26127 | Valganciclovir USP RC G                                                     | VS-V006009 | 356353-76-8  |
| 26128 | Valganciclovir USP RC J                                                     | VS-V006010 | 194159-18-7  |
| 26129 | Valganciclovir USP RC K, L, M                                               | VS-V006011 | 1401661-96-8 |
| 26130 | Valganciclovir USP RC N                                                     | VS-V006012 | 1401661-95-7 |
| 26131 | Valganciclovir N-Valyl Impurity                                             | VS-V006013 | 897937-73-4  |
| 26132 | Valganciclovir O-Acetyl N-Benzyloxycarbonyl Impurity                        | VS-V006014 | 194159-22-3  |
| 26133 | Valganciclovir N-Benzyloxycarbonyl Impurity                                 | VS-V006015 | 194154-40-0  |
| 26134 | Valganciclovir Dimer (stereoisomer B)                                       | VS-V006016 | N/A          |
| 26135 | Valganciclovir Chloro Diastereoisomer-1 & 2                                 | VS-V006017 | 1654737-32-2 |
| 26136 | S, S-Isovalganciclovir Impurity                                             | VS-V006018 | 1401562-13-7 |
| 26137 | Valganciclovir N-Valyl Impurity - (Mixture of Amide Diastereoisomer -1 & 2) | VS-V006019 | N/A          |
| 26138 | D-Valganciclovir Hydrochloride                                              | VS-V006020 | 1393911-57-3 |
| 26139 | Valganciclovir Impurity 1                                                   | VS-V006021 | N/A          |
| 26140 | Valganciclovir Impurity 2                                                   | VS-V006022 | 130914-77-1  |
| 26141 | Valganciclovir Related Compound G                                           | VS-V006023 | 1356353-76-8 |
| 26142 | Valganciclovir Impurity 3                                                   | VS-V006024 | 89281-73-2   |
| 26143 | Valganciclovir Impurity 4                                                   | VS-V006025 | 1195360-46-3 |
| 26144 | Valganciclovir Impurity 5                                                   | VS-V006026 | 227610-80-2  |
| 26145 | Valganciclovir Impurity 6                                                   | VS-V006027 | 1654737-34-4 |
| 26146 | Valganciclovir Impurity 7                                                   | VS-V006028 | N/A          |
| 26147 | Valganciclovir Impurity 8                                                   | VS-V006029 | N/A          |
| 26148 | Valproic Acid                                                               | VS-V007000 | 99-66-1      |
| 26149 | Valproic Acid EP Impurity A                                                 | VS-V007001 | 109-52-4     |
| 26150 | Valproic Acid EP Impurity B                                                 | VS-V007002 | 20225-24-5   |
| 26151 | Valproic Acid EP Impurity C                                                 | VS-V007003 | 62391-99-5   |
| 26152 | Valproic Acid EP Impurity D                                                 | VS-V007004 | 52061-75-3   |
| 26153 | Valproic Acid EP Impurity E                                                 | VS-V007005 | 626-97-1     |
| 26154 | Valproic Acid EP Impurity F                                                 | VS-V007006 | 2430-27-5    |
| 26155 | Valproic Acid EP Impurity G                                                 | VS-V007007 | 52061-73-1   |
| 26156 | Valproic Acid EP Impurity H                                                 | VS-V007008 | 110-59-8     |
| 26157 | Valproic Acid EP Impurity I                                                 | VS-V007009 | 13310-75-3   |
| 26158 | Valproic Acid EP Impurity J                                                 | VS-V007010 | 5340-48-7    |
| 26159 | Valproic Acid EP Impurity K                                                 | VS-V007011 | 5343-52-2    |
| 26160 | Valproic Acid EP Impurity L                                                 | VS-V007012 | 97-61-0      |
| 26161 | Ethyl Valproate                                                             | VS-V007013 | 17022-31-0   |
| 26162 | Isopropyl Valproate                                                         | VS-V007014 | 60498-67-1   |
| 26163 | 2-Butyl Valeric Acid                                                        | VS-V007015 | 3274-28-0    |
| 26164 | Propyl Valpronate                                                           | VS-V007016 | 112229-60-4  |
| 26165 | Valproic Acid Related Compound A                                            | VS-V007017 | 99-67-2      |

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| 26166 | Valproic Acid Related Compound B     | VS-V007018 | 247182-97-4  |
| 26167 | Valproic Acid Methyl Ester           | VS-V007019 | 22632-59-3   |
| 26168 | Valproic Acid Impurity 1             | VS-V007020 | 60218-41-9   |
| 26169 | Sodium Valproate                     | VS-V007021 | 1069-66-5    |
| 26170 | Valsartan                            | VS-V008000 | 137862-53-4  |
| 26171 | Valsartan EP Impurity A              | VS-V008001 | 137862-87-4  |
| 26172 | Valsartan EP Impurity B              | VS-V008002 | 137863-20-8  |
| 26173 | Valsartan EP Impurity C              | VS-V008003 | 952652-79-8  |
| 26174 | Valsartan USP RC E                   | VS-V008004 | 137863-17-3  |
| 26175 | Valsartan Impurity 8 (Impurity B)    | VS-V008005 | 482577-59-3  |
| 26176 | Isoleucine Valsartan (Impurity D)    | VS-V008006 | 137862-78-3  |
| 26177 | Valsartan Ethyl Ester                | VS-V008007 | 1111177-30-0 |
| 26178 | Valsartan Isopropyl Ester            | VS-V008008 | 1245820-09-0 |
| 26179 | Valsartan Desvaleryl Benzyl Impurity | VS-V008009 | 676129-93-4  |
| 26180 | Valsartan Desvaleryl Impurity        | VS-V008010 | 676129-92-3  |
| 26181 | Valsartan Desvaleryl Methyl Ester    | VS-V008011 | 1111177-24-2 |
| 26182 | Valery 4-Hydroxy Valsartan           | VS-V008012 | 188259-69-0  |
| 26183 | Valsartan Decarboxylic Acid          | VS-V008013 | 1314799-74-0 |
| 26184 | Valsartan N-Oxide 1                  | VS-V008014 | N/A          |
| 26185 | Valsartan DP-2                       | VS-V008015 | 1314799-75-1 |
| 26186 | 5-Hydroxy valsartan                  | VS-V008016 | 1186103-57-0 |
| 26187 | Valsartan N-Oxide 2                  | VS-V008017 | N/A          |
| 26188 | N-Ethylisopropylamine                | VS-V008018 | 19961-27-4   |
| 26189 | Valsartan Formyl Impurity            | VS-V008019 | 1418314-03-0 |
| 26190 | Valsartan Cyano Analog Methyl Ester  | VS-V008020 | 137863-90-2  |
| 26191 | Valsartan Dimer Impurity             | VS-V008021 | 1353844-77-5 |
| 26192 | Valsartan Desvalyl Impurity          | VS-V008022 | 914465-68-2  |
| 26193 | Valsartan Ditetrazole Impurity       | VS-V008023 | N/A          |
| 26194 | L-Valine Methyl Ester Hydrochloride  | VS-V008024 | 6306-52-1    |
| 26195 | Biphenyl Amyl Ester Impurity         | VS-V008025 | N/A          |
| 26196 | Isoleucine                           | VS-V008026 | 73-32-5      |
| 26197 | 4-(Bromomethyl)biphenyl              | VS-V008027 | 2567-29-5    |
| 26198 | 4-Phenyltoluene                      | VS-V008028 | 644-08-6     |
| 26199 | rac-Valsartan Ethyl Ester            | VS-V008029 | N/A          |
| 26200 | Nitroso Valsartan Benzyl ester       | VS-V008030 | N/A          |
| 26201 | Valsartan Sacubitril                 | VS-V008031 | 936623-90-4  |
| 26202 | Valsartan Desvaleryl Methyl Ester    | VS-V008032 | 783369-50-6  |
| 26203 | Trityl Valsartan                     | VS-V008033 | 783369-52-8  |
| 26204 | Valsartan Sacubitril Propyl Ester    | VS-V008034 | 2514735-65-8 |
| 26205 | N -Nitroso valsartan Impurity        | VS-V008035 | 2254485-68-0 |
| 26206 | Valsartan Impurity 10                | VS-V008036 | N/A          |
| 26207 | Valsartan Impurity 28                | VS-V008037 | N/A          |
| 26208 | Valsartan Impurity 12                | VS-V008038 | 1127249-17-5 |
| 26209 | Valsartan Impurity 13                | VS-V008039 | 152708-24-2  |
| 26210 | Valsartan Impurity 14                | VS-V008040 | 135689-93-9  |
| 26211 | Valsartan Impurity 15                | VS-V008041 | 164265-78-5  |
| 26212 | Valsartan Impurity 16                | VS-V008042 | N/A          |

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| 26213 | Valsartan Impurity 17                     | VS-V008043 | N/A          |
| 26214 | Valsartan Impurity 18                     | VS-V008044 | 443093-86-5  |
| 26215 | Valsartan Impurity 19                     | VS-V008045 | N/A          |
| 26216 | Valsartan Impurity 20                     | VS-V008046 | 124806-66-2  |
| 26217 | Valsartan Impurity 21                     | VS-V008047 | N/A          |
| 26218 | Valsartan Impurity 22                     | VS-V008048 | N/A          |
| 26219 | Valsartan Impurity 23                     | VS-V008049 | 2459446-44-5 |
| 26220 | Valsartan Impurity 24                     | VS-V008050 | 1283097-98-2 |
| 26221 | Valsartan Impurity 25                     | VS-V008051 | N/A          |
| 26222 | Valsartan Impurity 26                     | VS-V008052 | N/A          |
| 26223 | Valsartan Impurity 27                     | VS-V008053 | N/A          |
| 26224 | L-Alanine Valsartan                       | VS-V008054 | 137862-57-8  |
| 26225 | Valsartan Impurity 30                     | VS-V008055 | 50670-51-4   |
| 26226 | Valsartan D9                              | VS-V008056 | 1089736-73-1 |
| 26227 | Valsartan Impurity 31                     | VS-V008057 | N/A          |
| 26228 | L-Valine benzyl ester hydrochloride       | VS-V008058 | 2462-34-2    |
| 26229 | Butyryl Chloride                          | VS-V008059 | 141-75-3     |
| 26230 | N-Nitroso-N-Methyl-4-Aminobutyric Acid-d3 | VS-V008060 | 1184996-41-5 |
| 26231 | Vancomycin Hydrochloride                  | VS-V009001 | 1404-93-9    |
| 26232 | Vancomycin EP Impurity A                  | VS-V009002 | 91700-98-0   |
| 26233 | Vancomycin EP Impurity B                  | VS-V009003 | 555598-85-1  |
| 26234 | Vancomycin EP Impurity C                  | VS-V009004 | 82198-76-3   |
| 26235 | Vancomycin EP Impurity D                  | VS-V009005 | 101485-50-1  |
| 26236 | Vancomycin EP Impurity E                  | VS-V009006 | N/A          |
| 26237 | Vancomycin EP Impurity F                  | VS-V009007 | N/A          |
| 26238 | Vancomycin EP Impurity G                  | VS-V009008 | N/A          |
| 26239 | Vancomycin EP Impurity H                  | VS-V009009 | N/A          |
| 26240 | Vancomycin EP Impurity I                  | VS-V009010 | N/A          |
| 26241 | Vancomycin EP Impurity J                  | VS-V009011 | N/A          |
| 26242 | Vancomycin EP Impurity K                  | VS-V009012 | N/A          |
| 26243 | Vancomycin EP Impurity L                  | VS-V009013 | N/A          |
| 26244 | Vancomycin Didechloro Impurity            | VS-V009014 | 98510-30-6   |
| 26245 | (S)-(-)-2-Acetoxypropionyl Chloride       | VS-V009015 | 36394-75-9   |
| 26246 | (S)-(-)-2-Acetoxypropionyl Acid           | VS-V009016 | 6034-46-4    |
| 26247 | Demethylvancomycin B                      | VS-V009017 | N/A          |
| 26248 | Isomer of Demethylvancomycin B            | VS-V009018 | N/A          |
| 26249 | N-Methylvancomycin B                      | VS-V009019 | 99759-13-4   |
| 26250 | Vancomycin B-26-methyl ester              | VS-V009020 | 250273-66-6  |
| 26251 | Dehydroxyl Vancomycin-B                   | VS-V009021 | 1378999-72-4 |
| 26252 | Monodechlorovancomycin                    | VS-V009022 | N/A          |
| 26253 | Vancomycin Impurity 1                     | VS-V009023 | N/A          |
| 26254 | Vancomycin Impurity 2                     | VS-V009024 | N/A          |
| 26255 | Vandetanib                                | VS-V010000 | 443913-73-3  |
| 26256 | O-Desmethyl Vandetanib                    | VS-V010001 | 910298-60-1  |
| 26257 | N-Desmethyl Vandetanib                    | VS-V010002 | 338992-12-4  |
| 26258 | Vandetanib Nitroso Impurity 1             | VS-V010003 | NA           |
| 26259 | Vandetanib-d6                             | VS-V010004 | 1174683-49-8 |

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|-------|----------------------------------------------------------|------------|--------------|
| 26260 | Vardenafil HCl                                           | VS-V011001 | 224785-91-5  |
| 26261 | Vardenafil EP Impurity A                                 | VS-V011002 | 2169247-39-4 |
| 26262 | Vardenafil EP Impurity B                                 | VS-V011003 | 437717-43-6  |
| 26263 | Vardenafil EP Impurity C                                 | VS-V011004 | 1255919-03-9 |
| 26264 | Vardenafil Hydrochloridum Trihydricum                    | VS-V011005 | 330808-88-3  |
| 26265 | Vardenafil Dihydrochloride                               | VS-V011006 | 224789-15-5  |
| 26266 | Vardenafil Carboxylic Acid Impurity                      | VS-V011007 | 358390-39-3  |
| 26267 | Vardenafil Chlorosulfone Impurity                        | VS-V011008 | 224789-26-8  |
| 26268 | Vardenafil Dessulfonyl Impurity                          | VS-V011009 | 224789-21-3  |
| 26269 | Vardenafil Hydroxy Impurity                              | VS-V011010 | 224785-98-2  |
| 26270 | Vardenafil Hydroxy Thione Impurity                       | VS-V011011 | 912576-30-8  |
| 26271 | Vardenafil N-Desethyl Impurity                           | VS-V011012 | 448184-46-1  |
| 26272 | Pseudo Vardenafil                                        | VS-V011013 | 224788-34-5  |
| 26273 | Vardenafil Benzoyl Impurity                              | VS-V011014 | 1255919-01-7 |
| 26274 | Acetyl Vardenafil                                        | VS-V011015 | 1261351-28-3 |
| 26275 | Vardenafil Impurity (2-Ethoxy-N-Hydroxy Benzamidine)     | VS-V011016 | 879-57-2     |
| 26276 | Vardenafil Impurity (2-Ethoxy Benzamidine Hydrochloride) | VS-V011017 | 18637-00-8   |
| 26277 | Vardenafil Oxopiperazine                                 | VS-V011018 | 448184-58-5  |
| 26278 | Vardenafil Acetyl Analogue                               | VS-V011019 | N/A          |
| 26279 | Vardenafil N-Oxide                                       | VS-V011020 | 448184-48-3  |
| 26280 | N-Desethyl-N-Methyl Vardenafil                           | VS-V011021 | 224785-87-9  |
| 26281 | O-Desethyl Vardenafil                                    | VS-V011022 | 2411340-39-9 |
| 26282 | Vardenafil Di Ester Impurity (Z isomer)                  | VS-V011023 | 75435-43-7   |
| 26283 | Vardenafil Impurity 1                                    | VS-V011024 | 1417529-67-9 |
| 26284 | Vardenafil Impurity 2                                    | VS-V011025 | 1417529-69-1 |
| 26285 | Vardenafil Impurity 4                                    | VS-V011026 | 448184-56-3  |
| 26286 | Vardenafil Impurity 5                                    | VS-V011027 | 927690-90-2  |
| 26287 | Vardenafil Impurity 6                                    | VS-V011028 | N/A          |
| 26288 | Vardenafil Impurity 7                                    | VS-V011029 | 5308-25-8    |
| 26289 | Vardenafil Impurity 8                                    | VS-V011030 | N/A          |
| 26290 | Vardenafil Impurity 9                                    | VS-V011031 | N/A          |
| 26291 | Vardenafil Impurity 10                                   | VS-V011032 | 1169861-36-2 |
| 26292 | Varenicline Tartrate                                     | VS-V012001 | 375815-87-5  |
| 26293 | Varenicline Tartrate Impurity B                          | VS-V012002 | 873302-31-9  |
| 26294 | Varenicline Tartrate Impurity C                          | VS-V012003 | N/A          |
| 26295 | Varenicline Tartrate Impurity D                          | VS-V012004 | 1337563-47-9 |
| 26296 | Varenicline Tartrate Impurity E                          | VS-V012005 | 357424-21-6  |
| 26297 | Varenicline Tartrate Impurity F                          | VS-V012006 | 357426-10-9  |
| 26298 | Varenicline Tartrate Impurity G                          | VS-V012007 | 1329651-19-5 |
| 26299 | Varenicline Tartrate Impurity H                          | VS-V012008 | 873302-30-8  |
| 26300 | Varenicline Tartrate Impurity I                          | VS-V012009 | 535920-98-0  |
| 26301 | Varenicline Diamine Impurity                             | VS-V012010 | 230615-69-7  |
| 26302 | Varenicline Dioxo Impurity                               | VS-V012011 | 357424-07-8  |
| 26303 | Varenicline N-Formyl Impurity                            | VS-V012012 | 796865-82-2  |
| 26304 | Varenicline Ortho-Dinitro Impurity                       | VS-V012013 | 230615-59-5  |
| 26305 | Varenicline N-Trifluoroacetyl Impurity                   | VS-V012014 | 230615-70-0  |
| 26306 | Varenicline Meta-Dinitro Impurity                        | VS-V012015 | 853946-18-6  |

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| 26307 | Varenicline N-methyl Impurity  | VS-V012016 | 328055-92-1  |
| 26308 | 1,1-Diethylhydrazine           | VS-V012017 | 616-40-0     |
| 26309 | Glyoxal                        | VS-V012018 | 107-22-2     |
| 26310 | Varenicline N-oxide            | VS-V012019 | 2306217-12-7 |
| 26311 | Varenicline Impurity 1         | VS-V012020 | N/A          |
| 26312 | Varenicline Impurity 2         | VS-V012021 | 230615-08-4  |
| 26313 | Varenicline Impurity 3         | VS-V012022 | N/A          |
| 26314 | Varenicline Impurity 4         | VS-V012023 | 950781-94-9  |
| 26315 | Varenicline Impurity 5         | VS-V012024 | N/A          |
| 26316 | Varenicline Impurity 6         | VS-V012025 | 808120-35-6  |
| 26317 | Varenicline Impurity 7         | VS-V012026 | N/A          |
| 26318 | Varenicline Impurity 8         | VS-V012027 | 950781-89-2  |
| 26319 | Varenicline Impurity 9         | VS-V012028 | N/A          |
| 26320 | Varenicline Impurity 10        | VS-V012029 | N/A          |
| 26321 | Varenicline Impurity 11        | VS-V012030 | N/A          |
| 26322 | Varenicline Impurity 12        | VS-V012031 | 230615-53-9  |
| 26323 | Varenicline Impurity 13        | VS-V012032 | N/A          |
| 26324 | Varenicline Impurity 14        | VS-V012033 | 230615-56-2  |
| 26325 | Varenicline Impurity 15        | VS-V012034 | N/A          |
| 26326 | Varenicline Impurity 16        | VS-V012035 | N/A          |
| 26327 | Varenicline Impurity 17        | VS-V012036 | N/A          |
| 26328 | Varenicline Impurity 18        | VS-V012037 | 2306217-15-0 |
| 26329 | Varenicline Impurity 19        | VS-V012038 | N/A          |
| 26330 | Varenicline Impurity 20        | VS-V012039 | 40460-44-4   |
| 26331 | Varenicline Impurity 21        | VS-V012040 | 631-59-4     |
| 26332 | Varenicline Impurity 22        | VS-V012041 | 832089-32-4  |
| 26333 | Varenicline Impurity 23        | VS-V012042 | N/A          |
| 26334 | Varenicline Impurity 24        | VS-V012043 | N/A          |
| 26335 | Varenicline Impurity 25        | VS-V012044 | N/A          |
| 26336 | Varenicline Impurity 26        | VS-V012045 | 1333145-89-3 |
| 26337 | Varenicline Impurity 27        | VS-V012046 | 357424-22-7  |
| 26338 | Varenicline Impurity 28        | VS-V012047 | N/A          |
| 26339 | Varenicline Impurity 29        | VS-V012048 | 230615-52-8  |
| 26340 | Varenicline Impurity 30        | VS-V012049 | 230615-51-7  |
| 26341 | Varenicline Impurity 31        | VS-V012050 | 230615-48-2  |
| 26342 | Varenicline                    | VS-V012051 | 249296-44-4  |
| 26343 | Varenicline Nitroso Impurity 1 | VS-V012052 | 2755871-02-2 |
| 26344 | Varenicline Nitroso Impurity 3 | VS-V012053 | 2803960-64-5 |
| 26345 | Varenicline Nitroso Impurity 4 | VS-V012054 | 2803960-63-4 |
| 26346 | Vasopressin                    | VS-V013000 | 11000-17-2   |
| 26347 | endo-Gly9a-vasopressin         | VS-V013001 | 114665-05-3  |
| 26348 | des-Gly-vasopressin            | VS-V013002 | 47914-57-8   |
| 26349 | N-acetyl vasopressin           | VS-V013003 | 38106-69-3   |
| 26350 | Asp (5) Vasopressin            | VS-V013004 | N/A          |
| 26351 | Glu (4) Vasopressin            | VS-V013005 | N/A          |
| 26352 | GLY-OH Vasopressin             | VS-V013006 | N/A          |
| 26353 | Vecabrutinib                   | VS-V014000 | 1510829-06-7 |

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| 26354 | Vecuronium Bromide                             | VS-V015000 | 50700-72-6   |
| 26355 | Vecuronium Bromide EP Impurity A               | VS-V015001 | 13529-31-2   |
| 26356 | Vecuronium Bromide EP Impurity B               | VS-V015002 | 16974-53-1   |
| 26357 | Vecuronium Bromide EP Impurity C               | VS-V015003 | 74041-85-3   |
| 26358 | Vecuronium Bromide EP Impurity D               | VS-V015004 | 745736-02-1  |
| 26359 | Vecuronium Bromide EP Impurity E               | VS-V015005 | 784988-81-4  |
| 26360 | Vecuronium Bromide EP Impurity F               | VS-V015006 | 18668-29-6   |
| 26361 | Vecuronium Bromide Impurity 1                  | VS-V015007 | 13522-24-2   |
| 26362 | Vecuronium Bromide - Impurity E (Bromide Salt) | VS-V015008 | 50587-95-6   |
| 26363 | Velpatasvir                                    | VS-V016000 | 1377049-84-7 |
| 26364 | Velpatasvir Hydrochloride                      | VS-V016001 | 1842428-05-0 |
| 26365 | Velpatasvir Hydrobromide                       | VS-V016002 | 1842428-08-3 |
| 26366 | Velpatasvir Regioisomer                        | VS-V016003 | N/A          |
| 26367 | Velpatasvir Keto Analog                        | VS-V016004 | N/A          |
| 26368 | Velpatasvir Hydroxy Analog                     | VS-V016005 | N/A          |
| 26369 | Velpatasvir R, R Isomer (Imidazole) Boc        | VS-V016006 | N/A          |
| 26370 | N-Boc-4-oxo-L-proline                          | VS-V016007 | 84348-37-8   |
| 26371 | Velpatasvir Intermediate 1                     | VS-V016008 | 1378390-29-4 |
| 26372 | Velpatasvir Intermediate 2                     | VS-V016009 | 1378388-16-9 |
| 26373 | Velpatasvir Diastereomer 1                     | VS-V016010 | N/A          |
| 26374 | Velpatasvir Diastereomer 2                     | VS-V016011 | N/A          |
| 26375 | Velpatasvir Diastereomer 3                     | VS-V016012 | N/A          |
| 26376 | Velpatasvir Diastereomer 4                     | VS-V016013 | N/A          |
| 26377 | Velpatasvir Diastereomer 5                     | VS-V016014 | N/A          |
| 26378 | Velpatasvir Diastereomer 6                     | VS-V016015 | N/A          |
| 26379 | Velpatasvir Diastereomer 7                     | VS-V016016 | N/A          |
| 26380 | Velpatasvir Diastereomer 8                     | VS-V016017 | N/A          |
| 26381 | Velpatasvir Diastereomer 9                     | VS-V016018 | N/A          |
| 26382 | Velpatasvir Diastereomer 10                    | VS-V016019 | N/A          |
| 26383 | Velpatasvir Diastereomer 11                    | VS-V016020 | N/A          |
| 26384 | Velpatasvir Diastereomer 12                    | VS-V016021 | N/A          |
| 26385 | Velpatasvir Diastereomer 13                    | VS-V016022 | N/A          |
| 26386 | Velpatasvir Diastereomer 14                    | VS-V016023 | N/A          |
| 26387 | Velpatasvir Diastereomer 15                    | VS-V016024 | N/A          |
| 26388 | Velpatasvir Diastereomer 16                    | VS-V016025 | N/A          |
| 26389 | Velpatasvir Impurity 1                         | VS-V016026 | 1965253-64-8 |
| 26390 | Velpatasvir Impurity 2                         | VS-V016027 | N/A          |
| 26391 | Velpatasvir Impurity 3                         | VS-V016028 | N/A          |
| 26392 | Velpatasvir Impurity 4                         | VS-V016029 | N/A          |
| 26393 | Velpatasvir Impurity 5                         | VS-V016030 | N/A          |
| 26394 | Velpatasvir Impurity 6                         | VS-V016031 | N/A          |
| 26395 | Velpatasvir Impurity 7                         | VS-V016032 | N/A          |
| 26396 | Velpatasvir Impurity 8                         | VS-V016033 | N/A          |
| 26397 | Velpatasvir Impurity 9                         | VS-V016034 | N/A          |
| 26398 | Velpatasvir Impurity 10                        | VS-V016035 | N/A          |
| 26399 | Velpatasvir Impurity 11                        | VS-V016036 | N/A          |
| 26400 | Velpatasvir Impurity 12                        | VS-V016037 | N/A          |

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| 26401 | Velpatasvir Impurity 13                 | VS-V016038 | N/A          |
| 26402 | Velpatasvir Impurity 14                 | VS-V016039 | N/A          |
| 26403 | Velpatasvir Impurity 15                 | VS-V016040 | N/A          |
| 26404 | Velpatasvir Impurity 16                 | VS-V016041 | N/A          |
| 26405 | Velpatasvir Impurity 17                 | VS-V016042 | N/A          |
| 26406 | Velpatasvir Impurity 18                 | VS-V016043 | N/A          |
| 26407 | Velpatasvir Impurity 19                 | VS-V016044 | N/A          |
| 26408 | Velpatasvir Impurity 20                 | VS-V016045 | N/A          |
| 26409 | Velpatasvir Impurity 21                 | VS-V016046 | N/A          |
| 26410 | Velpatasvir Impurity 22                 | VS-V016047 | N/A          |
| 26411 | Velpatasvir Impurity 23                 | VS-V016048 | N/A          |
| 26412 | Velpatasvir intermediate                | VS-V016049 | 1378391-45-7 |
| 26413 | Venetoclax                              | VS-V017000 | 1257044-40-8 |
| 26414 | Deschloro Venetoclax impurity           | VS-V017001 | N/A          |
| 26415 | Venetoclax-N-Oxide impurity             | VS-V017002 | N/A          |
| 26416 | Venetoclax Oxalic Acid                  | VS-V017003 | N/A          |
| 26417 | Venetoclax Desfluoro Acid Impurity      | VS-V017004 | N/A          |
| 26418 | Venetoclax Chloro Coupled Acid Impurity | VS-V017005 | N/A          |
| 26419 | Venetoclax N-Hydroxy Acid Impurity      | VS-V017006 | N/A          |
| 26420 | Venetoclax N-coupled Acid Impurity      | VS-V017007 | N/A          |
| 26421 | Venetoclax Desfluoro Impurity           | VS-V017008 | N/A          |
| 26422 | Venetoclax Chloro Coupled Impurity      | VS-V017009 | N/A          |
| 26423 | Venetoclax N-Coupled Impurity           | VS-V017010 | N/A          |
| 26424 | Venetoclax N-Oxide Impurity             | VS-V017011 | 2469279-00-1 |
| 26425 | Venetoclax Acyl Urea Impurity 1         | VS-V017012 | N/A          |
| 26426 | Venetoclax Acyl Urea Impurity 2         | VS-V017013 | N/A          |
| 26427 | Venetoclax Impurity I                   | VS-V017014 | 2514648-06-5 |
| 26428 | Metabolite M27                          | VS-V017015 | 2097938-69-5 |
| 26429 | Venetoclax Impurity 2                   | VS-V017016 | 2247750-11-2 |
| 26430 | Venetoclax Impurity 3                   | VS-V017017 | 1235865-75-4 |
| 26431 | Venetoclax Impurity 4                   | VS-V017018 | N/A          |
| 26432 | Venetoclax Impurity 5                   | VS-V017019 | N/A          |
| 26433 | Venetoclax Impurity 6                   | VS-V017020 | 1228779-96-1 |
| 26434 | Venetoclax Impurity 7                   | VS-V017021 | 1228837-05-5 |
| 26435 | Venetoclax Impurity 8                   | VS-V017022 | N/A          |
| 26436 | Venetoclax Impurity 9                   | VS-V017023 | 2254393-29-6 |
| 26437 | Venetoclax Impurity 10                  | VS-V017024 | 2573767-90-3 |
| 26438 | Venetoclax Impurity 11                  | VS-V017025 | N/A          |
| 26439 | Venetoclax Impurity 12                  | VS-V017026 | N/A          |
| 26440 | Venetoclax Impurity 13                  | VS-V017027 | N/A          |
| 26441 | Venetoclax Impurity 14                  | VS-V017028 | N/A          |
| 26442 | Venetoclax Impurity 15                  | VS-V017029 | N/A          |
| 26443 | Venetoclax Impurity 16                  | VS-V017030 | 2142574-09-0 |
| 26444 | Venetoclax Impurity 17                  | VS-V017031 | N/A          |
| 26445 | Venetoclax Impurity 18                  | VS-V017032 | N/A          |
| 26446 | Venetoclax Impurity 19                  | VS-V017033 | N/A          |
| 26447 | Venetoclax Impurity 21                  | VS-V017034 | N/A          |

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| 26448 | Venetoclax Impurity 22                           | VS-V017035 | N/A          |
| 26449 | Venetoclax Impurity 23                           | VS-V017036 | 2270190-88-8 |
| 26450 | Venetoclax Impurity 24                           | VS-V017037 | N/A          |
| 26451 | Venetoclax Impurity 25                           | VS-V017038 | N/A          |
| 26452 | Venetoclax Impurity 26                           | VS-V017039 | N/A          |
| 26453 | Venetoclax Impurity 27                           | VS-V017040 | 1228943-80-3 |
| 26454 | Venetoclax Impurity 28                           | VS-V017041 | N/A          |
| 26455 | Venetoclax Impurity 29                           | VS-V017042 | N/A          |
| 26456 | Venetoclax Impurity 30                           | VS-V017043 | N/A          |
| 26457 | Venetoclax Impurity 31                           | VS-V017044 | 2180923-65-1 |
| 26458 | Venetoclax Impurity 32                           | VS-V017045 | 1235865-77-6 |
| 26459 | Venetoclax Nitroso Impurity 4                    | VS-V017046 | N/A          |
| 26460 | Venlafaxine                                      | VS-V018000 | 93413-69-5   |
| 26461 | Venlafaxine HCl                                  | VS-V018001 | 99300-78-4   |
| 26462 | Venlafaxine EP Impurity A                        | VS-V018002 | 775-33-7     |
| 26463 | Venlafaxine EP Impurity A (HCl Salt)             | VS-V018003 | 50822-98-5   |
| 26464 | Venlafaxine EP Impurity B                        | VS-V018004 | 2174001-92-2 |
| 26465 | Venlafaxine EP Impurity C(HCL)                   | VS-V018005 | 130198-05-9  |
| 26466 | Venlafaxine EP Impurity D                        | VS-V018006 | 149289-30-5  |
| 26467 | Venlafaxine EP Impurity E                        | VS-V018007 | 93413-70-8   |
| 26468 | Venlafaxine EP Impurity F                        | VS-V018008 | 93413-79-7   |
| 26469 | Venlafaxine EP Impurity G                        | VS-V018009 | 2108968-20-1 |
| 26470 | Venlafaxine EP Impurity H                        | VS-V018010 | 1329795-88-1 |
| 26471 | Venlafaxine Anhydro O-Desmethyl Impurity         | VS-V018011 | 1346600-38-1 |
| 26472 | Venlafaxine Cyano Impurity                       | VS-V018012 | 93413-76-4   |
| 26473 | Venlafaxine Desmethoxy Impurity                  | VS-V018013 | 93413-82-2   |
| 26474 | Venlafaxine N-Oxide                              | VS-V018014 | 1094598-37-4 |
| 26475 | Venlafaxine O-Desmethyl Impurity                 | VS-V018015 | 93413-62-8   |
| 26476 | Venlafaxine O-Desmethyl N,N-Didesmethyl Impurity | VS-V018016 | 135308-76-8  |
| 26477 | Venlafaxine O-Desmethyl N-Desmethyl Impurity     | VS-V018017 | 135308-74-6  |
| 26478 | Venlafaxine R-Isomer                             | VS-V018018 | 93413-46-8   |
| 26479 | Venlafaxine S-Isomer                             | VS-V018019 | 93413-44-6   |
| 26480 | D,L-O-Desmethyl Venlafaxine N-Oxide              | VS-V018020 | 1021933-95-8 |
| 26481 | Venlafaxine O-Desmethyl Cyclic Impurity          | VS-V018021 | 1346601-55-5 |
| 26482 | Venlafaxine Hydroxy Methyl Impurity              | VS-V018022 | N/A          |
| 26483 | Venlafaxine Impurity 1                           | VS-V018023 | 627810-07-5  |
| 26484 | Venlafaxine Impurity 2                           | VS-V018024 | 295366-48-2  |
| 26485 | Venlafaxine Impurity 3                           | VS-V018025 | 2223072-88-4 |
| 26486 | Venlafaxine Impurity 4                           | VS-V018026 | 19625-79-7   |
| 26487 | Venlafaxine Impurity 5                           | VS-V018027 | 1346601-14-6 |
| 26488 | Venlafaxine USP Related Compound A               | VS-V018028 | 93413-90-2   |
| 26489 | Venlafaxine Impurity B                           | VS-V018029 | 323176-93-8  |
| 26490 | Venlafaxine EP Impurity E HCl                    | VS-V018030 | 93413-56-0   |
| 26491 | Venlafaxine EP Impurity G                        | VS-V018031 | 1076199-92-2 |
| 26492 | Venlafaxine EP Impurity C                        | VS-V018032 | 93413-77-5   |
| 26493 | Venlafaxine D3                                   | VS-V018033 | 940297-28-9  |
| 26494 | Venlafaxine D6                                   | VS-V018034 | 940297-06-3  |



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| 26495 | N-Nitroso Venlafaxine EP Impurity H | VS-V018035 | NA           |
| 26496 | N-Nitroso Desmethyl Desvenlafaxine  | VS-V018036 | NA           |
| 26497 | N-Nitroso Venlafaxine EP Impurity D | VS-V018037 | 2680662-11-5 |
| 26498 | Verapamil                           | VS-V019000 | 52-53-9      |
| 26499 | Verapamil EP Impurity A             | VS-V019001 | 141991-88-0  |
| 26500 | Verapamil EP Impurity B             | VS-V019002 | 3490-06-0    |
| 26501 | Verapamil EP Impurity B HCl         | VS-V019003 | 13078-76-7   |
| 26502 | Verapamil EP Impurity C             | VS-V019004 | 09-05-90     |
| 26503 | Verapamil EP Impurity D             | VS-V019005 | 36770-74-8   |
| 26504 | Verapamil EP Impurity D (HCl salt)  | VS-V019006 | 36770-75-9   |
| 26505 | Verapamil EP Impurity E             | VS-V019007 | 93-03-8      |
| 26506 | Verapamil EP Impurity F             | VS-V019008 | 34245-14-2   |
| 26507 | Verapamil EP Impurity G             | VS-V019009 | 120-14-9     |
| 26508 | Verapamil EP Impurity H             | VS-V019010 | 67018-83-1   |
| 26509 | Verapamil EP Impurity I             | VS-V019011 | 2893-91-6    |
| 26510 | Verapamil EP Impurity J             | VS-V019012 | 67018-85-3   |
| 26511 | Verapamil EP Impurity K             | VS-V019013 | 20850-49-1   |
| 26512 | Verapamil EP Impurity L             | VS-V019014 | 14046-55-0   |
| 26513 | Verapamil EP Impurity M             | VS-V019015 | 141991-89-1  |
| 26514 | Verapamil EP Impurity N             | VS-V019016 | 2086274-75-9 |
| 26515 | Verapamil EP Impurity O             | VS-V019017 | 959011-16-6  |
| 26516 | Verapamil EP Impurity P             | VS-V019018 | 2086275-13-8 |
| 26517 | S-Verapamil HCl                     | VS-V019019 | 36622-29-4   |
| 26518 | R-Verapamil HCl                     | VS-V019020 | 38321-02-7   |
| 26519 | Nor Verapamil N-β-D-Glucuronide     | VS-V019021 | 126883-99-6  |
| 26520 | Verapamil N-Oxide                   | VS-V019022 | 123861-30-3  |
| 26521 | Verapamil Impurity 1 HBr            | VS-V019023 | 1551304-28-9 |
| 26522 | Verapamil Impurity 2                | VS-V019024 | N/A          |
| 26523 | Verapamil Impurity 3                | VS-V019025 | 77326-93-3   |
| 26524 | Verapamil Impurity 4                | VS-V019026 | 67018-80-8   |
| 26525 | Verapamil Impurity C (HCl)          | VS-V019027 | 51012-67-0   |
| 26526 | Verapamil EP Impurity J HCl         | VS-V019028 | 67812-42-4   |
| 26527 | Verapamil Dimer Impurity 1          | VS-V019029 | 24997-88-4   |
| 26528 | Verapamil Hydrochloride             | VS-V019030 | 152-11-4     |
| 26529 | Verapamil EP Impurity F (HCl)       | VS-V019031 | 67775-97-7   |
| 26530 | Verapamil EP Impurity I (HCl)       | VS-V019032 | 1794-55-4    |
| 26531 | N Nitroso Verapamil EP Impurity B   | VS-V019033 | NA           |
| 26532 | N-Nitroso Verapamil Impurity-2      | VS-V019034 | NA           |
| 26533 | N-Nitroso Verapamil EP Impurity J   | VS-V019035 | NA           |
| 26534 | Vericiguat                          | VS-V020000 | 1350653-20-1 |
| 26535 | Vicenin 2                           | VS-V021001 | 23666-13-9   |
| 26536 | Vigabatrin                          | VS-V022000 | 68506-86-5   |
| 26537 | Vigabatrin Formyl impurity          | VS-V022001 | N/A          |
| 26538 | Povidone EP Impurity A              | VS-V022002 | 88-12-0      |
| 26539 | Vigabatrin Hydrochloride            | VS-V022003 | 1391054-02-6 |
| 26540 | Vigabatrin Hydrobromide             | VS-V022004 | 1448420-23-2 |
| 26541 | Vigabatrin Sulfate                  | VS-V022005 | 1448420-27-6 |

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|-------|-----------------------------------------|------------|---------------|
| 26542 | Vigabatrin Calcium                      | VS-V022006 | 1448420-53-8  |
| 26543 | Vigabatrin Sodium                       | VS-V022007 | 1448420-56-1  |
| 26544 | Vigabatrin Potassium                    | VS-V022008 | 1448420-55-0  |
| 26545 | Vigabatrin EP Impurity A                | VS-V022009 | 7529-16-0     |
| 26546 | Vigabatrin EP Impurity B                | VS-V022010 | 1379504-35-4  |
| 26547 | Vigabatrin EP Impurity B (HCl)          | VS-V022011 | 1379403-11-8  |
| 26548 | Vigabatrin Impurity C                   | VS-V022012 | 71107-19-2    |
| 26549 | Vigabatrin EP Impurity D                | VS-V022013 | 56-12-2       |
| 26550 | Vigabatrin EP Impurity D Hydrochloride  | VS-V022014 | 5959-35-3     |
| 26551 | Vigabatrin EP Impurity D Hydrobromide   | VS-V022015 | 36551-16-3    |
| 26552 | Vigabatrin EP Impurity D Sodium         | VS-V022016 | 05-05-10 0:00 |
| 26553 | Vigabatrin EP Impurity D Potassium      | VS-V022017 | 62518-44-9    |
| 26554 | Vigabatrin EP Impurity D Calcium        | VS-V022018 | 70582-09-1    |
| 26555 | Vigabatrin EP Impurity E                | VS-V022019 | 1378466-25-1  |
| 26556 | Vigabatrin Impurity F                   | VS-V022020 | 794466-81-2   |
| 26557 | Vigabatrin Impurity F Potassium         | VS-V022021 | 748817-01-8   |
| 26558 | Vigabatrin Impurity 1                   | VS-V022022 | N/A           |
| 26559 | N-3-oxocarboxypentyl vinylpyrrolidinone | VS-V022023 | 2512190-67-7  |
| 26560 | Vigabatrin Impurity 3                   | VS-V022024 | N/A           |
| 26561 | Vigabatrin Impurity 4                   | VS-V022025 | N/A           |
| 26562 | N-Carboxylmethyl vinylpyrrolidinone     | VS-V022026 | 2324151-81-5  |
| 26563 | Vilanterol                              | VS-V023000 | 503068-34-6   |
| 26564 | Vilanterol Trifenatate                  | VS-V023001 | 503070-58-4   |
| 26565 | Vilanterol Impurity 1                   | VS-V023002 | 2514696-13-8  |
| 26566 | Vilanterol Impurity I                   | VS-V023003 | 2677047-63-9  |
| 26567 | Vilanterol Impurity 3                   | VS-V023004 | 503070-57-3   |
| 26568 | Vilanterol Impurity 4                   | VS-V023005 | 452339-73-0   |
| 26569 | Vilanterol Impurity 5                   | VS-V023006 | N/A           |
| 26570 | Vilanterol Impurity 6                   | VS-V023007 | N/A           |
| 26571 | Vilanterol Impurity 7                   | VS-V023008 | 62932-94-9    |
| 26572 | Vilanterol Impurity 8                   | VS-V023009 | 102293-80-1   |
| 26573 | Vilanterol Impurity 9                   | VS-V023010 | 452342-06-2   |
| 26574 | Vilanterol Impurity 10                  | VS-V023011 | 452342-07-3   |
| 26575 | Vilanterol Impurity 11                  | VS-V023012 | 452342-08-4   |
| 26576 | Vilanterol S-Isomer impurity            | VS-V023013 | N/A           |
| 26577 | Vilanterol Impurity 12                  | VS-V023014 | 85309-91-7    |
| 26578 | Vilanterol Impurity 13                  | VS-V023015 | 20443-98-5    |
| 26579 | Vilanterol Impurity 14                  | VS-V023016 | N/A           |
| 26580 | Vilanterol Impurity 15                  | VS-V023017 | N/A           |
| 26581 | Vilanterol Impurity 16                  | VS-V023018 | 503068-37-9   |
| 26582 | Vilazodone HCl                          | VS-V024001 | 163521-08-2   |
| 26583 | Vilazodone N-Oxide                      | VS-V024002 | 1622425-52-8  |
| 26584 | Vilazodone Carboxy Acid                 | VS-V024003 | 163521-19-5   |
| 26585 | Vilazodone Dimer Impurity               | VS-V024004 | N/A           |
| 26586 | Vilazidone N-BOC-acid Impurity          | VS-V024005 | 1192170-26-5  |
| 26587 | Vilazidone N-BOC-dimer Impurity         | VS-V024006 | N/A           |
| 26588 | Vilazodone Diamide Impurity             | VS-V024007 | 1588795-58-7  |

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| 26589 | Vilazodone Intermediate                     | VS-V024008 | 183288-46-2  |
| 26590 | Vilazodone Hydrochloride KSM-II             | VS-V024009 | 143612-79-7  |
| 26591 | Vilazodone Impurity II                      | VS-V024010 | 1422956-25-9 |
| 26592 | Vilazodone Impurity-III                     | VS-V024011 | 765935-67-9  |
| 26593 | Vilazodone Impurity 1                       | VS-V024012 | N/A          |
| 26594 | Vilazodone Impurity 2                       | VS-V024013 | N/A          |
| 26595 | Vilazodone Impurity 3                       | VS-V024014 | 795266-89-6  |
| 26596 | Vilazodone Impurity 4                       | VS-V024015 | 2089320-24-9 |
| 26597 | Vilazodone Impurity 5                       | VS-V024016 | 2044706-84-3 |
| 26598 | Vilazodone Impurity 6                       | VS-V024017 | 1451194-34-5 |
| 26599 | Vilazodone Impurity 7                       | VS-V024018 | 914927-40-5  |
| 26600 | Vilazodone Impurity 8                       | VS-V024019 | 2514696-28-5 |
| 26601 | Vilazodone Impurity 9                       | VS-V024020 | 1877901-11-5 |
| 26602 | Vilazodone Impurity 10                      | VS-V024021 | 2512200-37-0 |
| 26603 | Vilazodone Impurity 11 (5-Amino Benzofuran) | VS-V024022 | 58546-89-7   |
| 26604 | Vilazodone Impurity 12                      | VS-V024023 | 3153-34-2    |
| 26605 | Vilazodone Impurity 13                      | VS-V024024 | 1186225-86-4 |
| 26606 | Vilazodone Impurity 14                      | VS-V024025 | 206347-31-1  |
| 26607 | Vilazodone Impurity 15                      | VS-V024026 | N/A          |
| 26608 | Vilazodone Impurity 16                      | VS-V024027 | N/A          |
| 26609 | Vilazodone Impurity 17                      | VS-V024028 | 1637223-09-6 |
| 26610 | Vilazodone Impurity 18                      | VS-V024029 | N/A          |
| 26611 | Vilazodone Impurity 19                      | VS-V024030 | N/A          |
| 26612 | Vilazodone Impurity 20                      | VS-V024031 | N/A          |
| 26613 | Vilazodone Impurity 21                      | VS-V024032 | N/A          |
| 26614 | Vilazodone Impurity 22                      | VS-V024033 | N/A          |
| 26615 | Vilazodone Impurity 23                      | VS-V024034 | N/A          |
| 26616 | Vilazodone Impurity 24                      | VS-V024035 | 109831-24-5  |
| 26617 | Vilazodone Impurity 25                      | VS-V024036 | N/A          |
| 26618 | Vilazodone Impurity 26                      | VS-V024037 | N/A          |
| 26619 | Vilazodone Impurity 27                      | VS-V024038 | N/A          |
| 26620 | Vilazodone Impurity 28                      | VS-V024039 | 183288-47-3  |
| 26621 | Vilazodone Impurity 29                      | VS-V024040 | 1821658-38-1 |
| 26622 | Vilazodone Impurity 30                      | VS-V024041 | 276863-95-7  |
| 26623 | Vilazodone Impurity 31                      | VS-V024042 | 1640353-02-1 |
| 26624 | Vilazodone Impurity 32                      | VS-V024043 | 174775-48-5  |
| 26625 | Vilazodone Impurity 33                      | VS-V024044 | N/A          |
| 26626 | Vilazodone Impurity 34                      | VS-V024045 | N/A          |
| 26627 | Vilazodone Impurity 35                      | VS-V024046 | 1983197-00-7 |
| 26628 | Vilazodone Impurity 36                      | VS-V024047 | N/A          |
| 26629 | Vilazodone Impurity 37                      | VS-V024048 | 1398358-62-7 |
| 26630 | Vilazodone Impurity 38                      | VS-V024049 | 1398358-69-4 |
| 26631 | Vilazodone Impurity 39                      | VS-V024050 | 1969300-03-5 |
| 26632 | Vilazodone                                  | VS-V024051 | 163521-12-8  |
| 26633 | Vilazodone Diamide Nitroso impurity         | VS-V024052 | NA           |
| 26634 | N-Nitroso Vilazodone Ethyl Ester Impurity   | VS-V024053 | NA           |
| 26635 | N-Nitroso Vilazodone Impurity 1             | VS-V024054 | 2512217-82-0 |

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| 26636 | Vilazodone Nitrosamine impurity              | VS-V024055 | NA            |
| 26637 | Vildagliptin                                 | VS-V025000 | 274901-16-5   |
| 26638 | Vildagliptin Chloroacetyl Nitrile (R)-Isomer | VS-V025001 | 565452-98-4   |
| 26639 | Vildagliptin Chloroacetyl Nitrile (S)-Isomer | VS-V025002 | 207557-35-5   |
| 26640 | Vildagliptin Amino Alcohol Impurity          | VS-V025003 | 702-82-9      |
| 26641 | Vildagliptin Carboxamide Impurity            | VS-V025004 | 565453-39-6   |
| 26642 | Vildagliptin Dimer Impurity                  | VS-V025005 | 1036959-23-5  |
| 26643 | (2R)-Vildagliptin                            | VS-V025006 | 1036959-27-9  |
| 26644 | Vildagliptin Mono keto Impurity              | VS-V025007 | 1789703-37-2  |
| 26645 | Vildagliptin Diketo Impurity                 | VS-V025008 | 1789703-36-1  |
| 26646 | Vildagliptin Dihydroxy Impurity              | VS-V025009 | N/A           |
| 26647 | Vildagliptin Hydroxy Impurity                | VS-V025010 | N/A           |
| 26648 | Vildagliptin N-Oxide                         | VS-V025011 | N/A           |
| 26649 | Vildagliptin Imino Impurity                  | VS-V025012 | 1846606-31-2  |
| 26650 | Vildagliptin Dipyrrolidine Impurity          | VS-V025013 | 06-01-08 0:00 |
| 26651 | Vildagliptin carbonitrile Impurity           | VS-V025014 | 20297-37-4    |
| 26652 | Vildagliptin Chloro Impurity                 | VS-V025015 | N/A           |
| 26653 | Vildagliptin Butanoyl Impurity               | VS-V025016 | N/A           |
| 26654 | Vildagliptin Oxoethoxy Impurity              | VS-V025017 | N/A           |
| 26655 | Vildagliptin Pyrazine Impurity               | VS-V025018 | N/A           |
| 26656 | Vildagliptin Chloroacetyl Amide (S)-Isomer   | VS-V025019 | 214398-99-9   |
| 26657 | Vildagliptin Chloroacetyl Amide (R)-Isomer   | VS-V025020 | 1211679-98-9  |
| 26658 | Vildagliptin Carboxylic Acid Methyl Ester    | VS-V025021 | 948574-56-9   |
| 26659 | Vildagliptin Carboxylic Acid Impurity        | VS-V025022 | N/A           |
| 26660 | Vildagliptin Dione Impurity                  | VS-V025023 | N/A           |
| 26661 | Vildagliptin Amino Adamantane Impurity       | VS-V025024 | 875311-29-8   |
| 26662 | Vildagliptin Carboxylic Acid                 | VS-V025025 | 565453-40-9   |
| 26663 | 1,3-Adamantanediol                           | VS-V025026 | 5001-18-3     |
| 26664 | Vildagliptin Deshydroxy Impurity             | VS-V025027 | 741657-02-3   |
| 26665 | Vildagliptin Impurity B                      | VS-V025028 | N/A           |
| 26666 | Vildagliptin Impurity L                      | VS-V025029 | 1710765-32-4  |
| 26667 | Vildagliptin Impurity 3 Trifluoroacetate     | VS-V025030 | 565453-41-0   |
| 26668 | Vildagliptin Impurity 4                      | VS-V025031 | 1032564-18-3  |
| 26669 | Vildagliptin Impurity 5                      | VS-V025032 | 96166-39-1    |
| 26670 | Vildagliptin Impurity 6                      | VS-V025033 | 243145-00-8   |
| 26671 | Vildagliptin Impurity 7                      | VS-V025034 | 22947-51-9    |
| 26672 | Vildagliptin Impurity 8                      | VS-V025035 | 876-53-9      |
| 26673 | Vildagliptin Impurity 9                      | VS-V025036 | 2133-40-6     |
| 26674 | Vildagliptin Impurity 10                     | VS-V025037 | 3705-27-9     |
| 26675 | Vildagliptin Impurity 11                     | VS-V025038 | 38074-72-5    |
| 26676 | Vildagliptin Impurity 12                     | VS-V025039 | N/A           |
| 26677 | Vildagliptin Impurity 13                     | VS-V025040 | N/A           |
| 26678 | Vildagliptin Impurity 14                     | VS-V025041 | N/A           |
| 26679 | Vildagliptin Impurity 15                     | VS-V025042 | N/A           |
| 26680 | Vildagliptin Impurity 16                     | VS-V025043 | N/A           |
| 26681 | Vildagliptin Impurity 17                     | VS-V025044 | N/A           |
| 26682 | Vildagliptin Impurity 18                     | VS-V025045 | 2380224-94-0  |

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| 26683 | Vildagliptin Impurity 19                                | VS-V025046 | 2246354-69-6 |
| 26684 | Vildagliptin Impurity 20                                | VS-V025047 | 1846606-32-3 |
| 26685 | Vildagliptin Impurity 21                                | VS-V025048 | 94747-48-5   |
| 26686 | Vildagliptin Impurity 22                                | VS-V025049 | N/A          |
| 26687 | Vildagliptin Impurity 23                                | VS-V025050 | N/A          |
| 26688 | Vildagliptin Impurity 24                                | VS-V025051 | 875314-89-9  |
| 26689 | Vildagliptin Impurity 25                                | VS-V025052 | N/A          |
| 26690 | Vildagliptin Impurity 26                                | VS-V025053 | 1563006-28-9 |
| 26691 | N-Nitroso Vildagliptin                                  | VS-V025054 | NA           |
| 26692 | N-Nitroso-Vildagliptin amide Impurity                   | VS-V025055 | NA           |
| 26693 | Vildagliptin Mono Keto Impurity                         | VS-V025056 | 2663700-61-4 |
| 26694 | Vildagliptin D7                                         | VS-V025057 | 1133208-42-0 |
| 26695 | N-Nitroso vildagliptin carboxylic acid                  | VS-V025058 | NA           |
| 26696 | N-Nitroso vildagliptin methy ester                      | VS-V025059 | NA           |
| 26697 | Vincristine Sulfate                                     | VS-V026000 | 2068-78-2    |
| 26698 | Vincristine Sulfate EP Impurity A                       | VS-V026001 | 1246812-06-5 |
| 26699 | Vincristine Sulfate EP Impurity B                       | VS-V026002 | 68135-16-0   |
| 26700 | Vincristine Sulfate EP Impurity C                       | VS-V026003 | 18172-50-4   |
| 26701 | Vincristine Sulfate EP Impurity D                       | VS-V026004 | 06-01-04     |
| 26702 | Vincristine Sulfate EP Impurity E                       | VS-V026005 | 3352-69-0    |
| 26703 | Vincristine Sulfate EP Impurity F                       | VS-V026006 | 23360-92-1   |
| 26704 | Vincristine Sulfate EP Impurity G                       | VS-V026007 | N/A          |
| 26705 | Vincristine Sulfate EP Impurity H                       | VS-V026008 | 865-21-4     |
| 26706 | Vinorelbine Ditartrate                                  | VS-V027000 | 125317-39-7  |
| 26707 | Vinorelbine N-Oxide                                     | VS-V027001 | 1797884-51-5 |
| 26708 | Vindoline                                               | VS-V027002 | 2182-14-1    |
| 26709 | Catharanthine Tartrate                                  | VS-V027003 | 4168-17-6    |
| 26710 | 18-O-Demethyl Vinorelbine                               | VS-V027004 | N/A          |
| 26711 | Vinorelbine EP Impurity A                               | VS-V027005 | N/A          |
| 26712 | Vinorelbine EP Impurity B                               | VS-V027006 | N/A          |
| 26713 | Vinorelbine EP Impurity C/8'-epi Vinorelbine Bitartrate | VS-V027007 | N/A          |
| 26714 | Vinorelbine EP Impurity D/Vinorelbine N'b-Oxide         | VS-V027008 | 74075-34-6   |
| 26715 | Vinorelbine EP Impurity E                               | VS-V027009 | 54081-68-4   |
| 26716 | Vinorelbine EP Impurity F                               | VS-V027010 | N/A          |
| 26717 | Vinorelbine EP Impurity G                               | VS-V027011 | N/A          |
| 26718 | Vinorelbine EP Impurity H                               | VS-V027012 | 220137-33-7  |
| 26719 | Vinorelbine EP Impurity I                               | VS-V027013 | N/A          |
| 26720 | Vinorelbine EP Impurity J                               | VS-V027014 | 38390-45-3   |
| 26721 | Vinorelbine EP Impurity K                               | VS-V027015 | N/A          |
| 26722 | (20'RS)-15',20'-Dihydro Vinorelbine Ditartarate         | VS-V027016 | N/A          |
| 26723 | Vitexin                                                 | VS-V028000 | 3681-93-4    |
| 26724 | Vitexin-2                                               | VS-V028001 | 64820-99-1   |
| 26725 | Isovitexin                                              | VS-V028002 | 38953-85-4   |
| 26726 | Vitexin 4"-O-Glucoside                                  | VS-V028003 | 178468-00-3  |
| 26727 | Voglibose                                               | VS-V029000 | 83480-29-9   |
| 26728 | Voglibose Impurity 1                                    | VS-V029001 | 83465-22-9   |
| 26729 | Voglibose Impurity 2                                    | VS-V029002 | 1303996-66-8 |

|       |                                            |            |              |
|-------|--------------------------------------------|------------|--------------|
| 26730 | Voglibose Impurity 3                       | VS-V029003 | 1303996-67-9 |
| 26731 | Voglibose Impurity 4                       | VS-V029004 | NA           |
| 26732 | Vonoprazan                                 | VS-V030000 | 881681-00-1  |
| 26733 | Vonoprazan Methyl Pyridine Sulfonate       | VS-V030001 | 1421640-34-7 |
| 26734 | Vonoprazan Carbaldehyde Impurity           | VS-V030002 | 881674-56-2  |
| 26735 | Vonoprazan Sulfonyl aldehyde Impurity      | VS-V030003 | 881677-11-8  |
| 26736 | Vonoprazan N-methyl aspartic acid Impurity | VS-V030004 | N/A          |
| 26737 | Vonoprazan Impurity 1                      | VS-V030005 | 2416241-95-5 |
| 26738 | Vonoprazan Impurity 2                      | VS-V030006 | 1807642-41-6 |
| 26739 | Vonoprazan Impurity 3                      | VS-V030007 | 881732-90-7  |
| 26740 | Vonoprazan Impurity 4                      | VS-V030008 | 881733-36-4  |
| 26741 | Vonoprazan Impurity 5                      | VS-V030009 | 1610043-62-3 |
| 26742 | Vonoprazan Impurity 6                      | VS-V030010 | 881674-58-4  |
| 26743 | Vonoprazan Impurity 7                      | VS-V030011 | 1885094-62-1 |
| 26744 | Vonoprazan Impurity 8                      | VS-V030012 | N/A          |
| 26745 | Vonoprazan Impurity 9                      | VS-V030013 | 2416241-97-7 |
| 26746 | Vonoprazan Fumurate                        | VS-V030014 | 881681-01-2  |
| 26747 | Vonoprazan Nitroso Impurity                | VS-V030015 | N/A          |
| 26748 | Vonoprazan Nitroso Impurity 1              | VS-V030016 | N/A          |
| 26749 | Vonoprazan Impurity 10                     | VS-V030017 | 2170020-79-6 |
| 26750 | Vorapaxar Sulfate                          | VS-V031001 | 705260-08-8  |
| 26751 | Voriconazole                               | VS-V032000 | 137234-62-9  |
| 26752 | Voriconazole EP Impurity A                 | VS-V032001 | 86404-63-9   |
| 26753 | Voriconazole EP Impurity B                 | VS-V032002 | 182369-73-9  |
| 26754 | Voriconazole EP Impurity C                 | VS-V032003 | 137234-88-9  |
| 26755 | Voriconazole EP Impurity D                 | VS-V032004 | 137234-63-0  |
| 26756 | Voriconazole EP Impurity E                 | VS-V032005 | 02-08-72     |
| 26757 | Voriconazole USP RC A                      | VS-V032006 | 182230-43-9  |
| 26758 | Voriconazole (RR,SS)-6-Chloro Impurity     | VS-V032007 | 188416-35-5  |
| 26759 | Voriconazole 6-Chloro Impurity             | VS-V032008 | 137234-75-4  |
| 26760 | Voriconazole Impurity 1                    | VS-V032009 | 1307315-02-1 |
| 26761 | Voriconazole Impurity 2                    | VS-V032010 | 908352-44-3  |
| 26762 | Voriconazole Impurity 3                    | VS-V032011 | 347418-42-2  |
| 26763 | Voriconazole Impurity 4                    | VS-V032012 | N/A          |
| 26764 | Voriconazole Impurity 5                    | VS-V032013 | 137234-74-3  |
| 26765 | Voriconazole Impurity 6                    | VS-V032014 | N/A          |
| 26766 | Voriconazole Impurity 7                    | VS-V032015 | 137234-87-8  |
| 26767 | Voriconazole Impurity 8                    | VS-V032016 | 1449785-88-9 |
| 26768 | Voriconazole Impurity 9                    | VS-V032017 | N/A          |
| 26769 | Voriconazole Impurity 10                   | VS-V032018 | N/A          |
| 26770 | Voriconazole Impurity 11                   | VS-V032019 | N/A          |
| 26771 | Voriconazole Impurity 12                   | VS-V032020 | 1393091-03-6 |
| 26772 | Voriconazole Impurity 13                   | VS-V032021 | 755726-67-1  |
| 26773 | Voriconazole Impurity 14                   | VS-V032022 | 247078-58-6  |
| 26774 | Voriconazole Impurity 15                   | VS-V032023 | 62319-13-5   |
| 26775 | Vortioxetine                               | VS-V033000 | 508233-74-7  |
| 26776 | Vortioxetine Sulfoxide                     | VS-V033001 | 1429908-35-9 |

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|-------|-----------------------------------------|------------|--------------|
| 26777 | N-Acetyl Vortioxetine                   | VS-V033002 | 1801352-86-2 |
| 26778 | Vortioxetine Glucose Adduct             | VS-V033003 | N/A          |
| 26779 | Vortioxetine Lactose Adduct             | VS-V033004 | N/A          |
| 26780 | N-Hydroxylated Vortioxetine Glucuronide | VS-V033005 | N/A          |
| 26781 | Vortioxetine Diamine Impurity           | VS-V033006 | N/A          |
| 26782 | Vortioxetine 1,4-Vortioxetine isomer    | VS-V033007 | N/A          |
| 26783 | Vortioxetine 1,3-Vortioxetine isomer    | VS-V033008 | N/A          |
| 26784 | Vortioxetine Bromo Impurity             | VS-V033009 | N/A          |
| 26785 | Vortioxetine Disulfane Impurity         | VS-V033010 | 103-19-5     |
| 26786 | Vortioxetine Para Impurity              | VS-V033011 | 1815608-51-5 |
| 26787 | Vortioxetine Hydrobromide               | VS-V033012 | 960203-27-4  |
| 26788 | Vortioxetine Bromo Impurity (HBr salt)  | VS-V033013 | N/A          |
| 26789 | N-Methyl Vortioxetine Hydrobromide      | VS-V033014 | N/A          |
| 26790 | Vortioxetine Impurity 1                 | VS-V033015 | 1293489-71-0 |
| 26791 | Vortioxetine Impurity 2                 | VS-V033016 | 1293489-69-6 |
| 26792 | Vortioxetine Impurity 3                 | VS-V033017 | 508233-82-7  |
| 26793 | Vortioxetine Impurity 4                 | VS-V033018 | 1293489-77-6 |
| 26794 | Vortioxetine Impurity 5                 | VS-V033019 | 508233-76-9  |
| 26795 | Vortioxetine Impurity 6                 | VS-V033020 | 1293489-74-3 |
| 26796 | Vortioxetine Impurity 7                 | VS-V033021 | N/A          |
| 26797 | Vortioxetine Impurity 8                 | VS-V033022 | 508233-77-0  |
| 26798 | Vortioxetine Impurity 9                 | VS-V033023 | 1240670-87-4 |
| 26799 | Vortioxetine Impurity 10                | VS-V033024 | N/A          |
| 26800 | Vortioxetine Impurity 11                | VS-V033025 | N/A          |
| 26801 | Vortioxetine Impurity 13                | VS-V033026 | 1011-13-8    |
| 26802 | Vortioxetine Impurity 14                | VS-V033027 | 1240670-85-2 |
| 26803 | Vortioxetine Impurity 15                | VS-V033028 | N/A          |
| 26804 | Vortioxetine Impurity 16                | VS-V033029 | 16704-47-5   |
| 26805 | Vortioxetine Impurity 17                | VS-V033030 | N/A          |
| 26806 | Vortioxetine Impurity 20                | VS-V033031 | N/A          |
| 26807 | Vortioxetine Impurity 21                | VS-V033032 | N/A          |
| 26808 | Vortioxetine Impurity 22                | VS-V033033 | N/A          |
| 26809 | Vortioxetine Impurity 23                | VS-V033034 | N/A          |
| 26810 | Vortioxetine Impurity 24                | VS-V033035 | N/A          |
| 26811 | Vortioxetine Impurity 25                | VS-V033036 | 1639263-80-1 |
| 26812 | Vortioxetine Impurity 28                | VS-V033037 | N/A          |
| 26813 | Vortioxetine Impurity 30                | VS-V033038 | N/A          |
| 26814 | Vortioxetine Impurity 31                | VS-V033039 | 13616-82-5   |
| 26815 | Vortioxetine Impurity 32                | VS-V033040 | 1610527-49-5 |
| 26816 | Vortioxetine Impurity 33                | VS-V033041 | 1019453-85-0 |
| 26817 | Vortioxetine Impurity 34                | VS-V033042 | 640767-43-7  |
| 26818 | Vortioxetine Impurity 35                | VS-V033043 | 640767-44-8  |
| 26819 | Vortioxetine Impurity 36                | VS-V033044 | 1928741-88-1 |
| 26820 | Vortioxetine Impurity 37                | VS-V033045 | N/A          |
| 26821 | Vortioxetine Impurity 38                | VS-V033046 | 13616-83-6   |
| 26822 | N-Nitroso Vortioxetine                  | VS-V033047 | NA           |
| 26823 | Vortioxetine D8                         | VS-V033048 | 2140316-62-5 |

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|-------|------------------------|------------|--------------|
| 26824 | Vibegron               | VS-V034000 | 1190389-15-1 |
| 26825 | Vibegron Impurity 1    | VS-V034001 | 439612-08-5  |
| 26826 | Vibegron Impurity 2    | VS-V034002 | 136620-82-1  |
| 26827 | Vibegron Impurity 3    | VS-V034003 | 136620-75-2  |
| 26828 | Vibegron Impurity 4    | VS-V034004 | 1009092-91-4 |
| 26829 | Vibegron Impurity 5    | VS-V034005 | 1628836-07-6 |
| 26830 | Vibegron Impurity 6    | VS-V034006 | 1538628-99-7 |
| 26831 | Vibegron Impurity 7    | VS-V034007 | 1437235-52-3 |
| 26832 | Vibegron Impurity 8    | VS-V034008 | 1628836-10-1 |
| 26833 | Vibegron Impurity 9    | VS-V034009 | NA           |
| 26834 | Vibegron Impurity 10   | VS-V034010 | NA           |
| 26835 | Vibegron Impurity 11   | VS-V034011 | NA           |
| 26836 | Vibegron Impurity 12   | VS-V034012 | NA           |
| 26837 | Vibegron Impurity 13   | VS-V034013 | NA           |
| 26838 | Vibegron Impurity 14   | VS-V034014 | NA           |
| 26839 | Vibegron Impurity 15   | VS-V034015 | NA           |
| 26840 | Vibegron Impurity 16   | VS-V034016 | NA           |
| 26841 | Vibegron Impurity 17   | VS-V034017 | NA           |
| 26842 | Vibegron Impurity 18   | VS-V034018 | NA           |
| 26843 | Vibegron Impurity 19   | VS-V034019 | NA           |
| 26844 | Vibegron Impurity A    | VS-V034020 | 1190392-22-3 |
| 26845 | Vibegron Impurity B    | VS-V034021 | 1295539-30-8 |
| 26846 | N-Nitroso Vibegron     | VS-V034022 | NA           |
| 26847 | Vibegron Impurity 20   | VS-V034023 | NA           |
| 26848 | Vibegron Impurity 21   | VS-V034024 | NA           |
| 26849 | Vibegron Impurity 22   | VS-V034025 | 1426235-11-1 |
| 26850 | Vibegron D5            | VS-V034026 | NA           |
| 26851 | Vismodegib -d4         | VS-V035000 | 1450990-33-6 |
| 26852 | Vismodegib -d7         | VS-V035001 | 2733145-73-6 |
| 26853 | Vismodegib -M1         | VS-V035002 | 1370525-63-5 |
| 26854 | Vismodegib -M3         | VS-V035003 | 1370525-64-6 |
| 26855 | Vismodegib             | VS-V035004 | 879085-55-9  |
| 26856 | Vismodegib Impurity 1  | VS-V035005 | 1121585-09-8 |
| 26857 | Vismodegib Impurity 2  | VS-V035006 | 118939-22-3  |
| 26858 | Vismodegib Impurity 3  | VS-V035007 | 105917-77-9  |
| 26859 | Vismodegib Impurity 4  | VS-V035008 | 1977536-52-9 |
| 26860 | Vismodegib Impurity 5  | VS-V035009 | 1977536-53-0 |
| 26861 | Vismodegib Impurity 6  | VS-V035010 | NA           |
| 26862 | Vismodegib Impurity 7  | VS-V035011 | 1977536-54-1 |
| 26863 | Vismodegib Impurity 8  | VS-V035012 | 1270416-26-6 |
| 26864 | Vismodegib Impurity 9  | VS-V035013 | 15889-32-4   |
| 26865 | Vismodegib Impurity 10 | VS-V035014 | 63503-60-6   |
| 26866 | Vismodegib Impurity 11 | VS-V035015 | 1679-18-1    |
| 26867 | Vismodegib Impurity 12 | VS-V035016 | 4381-32-2    |
| 26868 | Vismodegib Impurity 13 | VS-V035017 | 5957-85-7    |
| 26869 | Vismodegib Impurity 14 | VS-V035018 | 5969-83-5    |
| 26870 | Vismodegib Impurity 15 | VS-V035019 | 1922106-89-5 |



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|-------|------------------------------|------------|--------------|
| 26871 | Vismodegib Impurity 16       | VS-V035020 | NA           |
| 26872 | Vismodegib Impurity 17       | VS-V035021 | 867333-29-7  |
| 26873 | Vismodegib Impurity 18       | VS-V035022 | 1562430-93-6 |
| 26874 | Vismodegib Impurity 19       | VS-V035023 | NA           |
| 26875 | Vismodegib Impurity 20       | VS-V035024 | NA           |
| 26876 | Vismodegib Impurity 21       | VS-V035025 | 25784-91-2   |
| 26877 | Vismodegib Impurity 22       | VS-V035026 | 23082-50-0   |
| 26878 | Vismodegib Impurity 23       | VS-V035027 | 2497-91-8    |
| 26879 | Vismodegib Impurity 24       | VS-V035028 | NA           |
| 26880 | Vismodegib Impurity 25       | VS-V035029 | NA           |
| 26881 | Vismodegib Impurity 26       | VS-V035030 | 13029-08-8   |
| 26882 | Vismodegib Impurity 27       | VS-V035031 | 160938-25-0  |
| 26883 | Vismodegib Impurity 28       | VS-V035032 | NA           |
| 26884 | Vismodegib Impurity 29       | VS-V035033 | 2117637-61-1 |
| 26885 | Vismodegib Impurity 30       | VS-V035034 | 879088-41-2  |
| 26886 | Vismodegib Impurity 31       | VS-V035035 | 53250-83-2   |
| 26887 | Vismodegib Impurity 32       | VS-V035036 | 879088-40-1  |
| 26888 | Vismodegib Impurity 33       | VS-V035037 | 1195072-86-6 |
| 26889 | Vismodegib Impurity 34       | VS-V035038 | NA           |
| 26890 | Vismodegib Impurity 35       | VS-V035039 | NA           |
| 26891 | Warburganal                  | VS-W001000 | 62994-47-2   |
| 26892 | Warfarin                     | VS-W002000 | 81-81-2      |
| 26893 | Warfarin Alcohol Impurity    | VS-W002001 | 28392-96-3   |
| 26894 | Warfarin EP Impurity A       | VS-W002002 | 15156-56-6   |
| 26895 | Warfarin Related Compound A  | VS-W002003 | 37209-23-7   |
| 26896 | Warfarin EP Impurity B       | VS-W002004 | 1076-38-6    |
| 26897 | Warfarin EP Impurity C       | VS-W002005 | 122-57-6     |
| 26898 | Warfarin R-Isomer            | VS-W002006 | 5543-58-8    |
| 26899 | Warfarin S-Isomer            | VS-W002007 | 5543-57-7    |
| 26900 | S,S-Warfarin Alcohol         | VS-W002008 | 40281-80-9   |
| 26901 | R,S-Warfarin Alcohol         | VS-W002009 | 37571-78-1   |
| 26902 | Xylometazoline Hydrochloride | VS-X001001 | 1218-35-5    |
| 26903 | Xylometazoline EP Impurity A | VS-X001002 | 94266-17-8   |
| 26904 | Xylometazoline EP Impurity B | VS-X001003 | 19387-83-8   |
| 26905 | Xylometazoline EP Impurity C | VS-X001004 | 84803-57-6   |
| 26906 | Xylometazoline EP Impurity D | VS-X001005 | 98-19-1      |
| 26907 | Xylometazoline EP Impurity E | VS-X001006 | 14034-59-4   |
| 26908 | Xylometazoline EP Impurity F | VS-X001007 | 854646-92-7  |
| 26909 | Xanthinol                    | VS-X002000 | 2530-97-4    |
| 26910 | Xanthinol Nicotinate         | VS-X002001 | 437-74-1     |
| 26911 | Xipamide                     | VS-X003000 | 14293-44-8   |
| 26912 | Xipamide Impurity A          | VS-X003001 | 14665-31-7   |
| 26913 | Xipamide Impurity B          | VS-X003002 | 14556-98-0   |
| 26914 | Xipamide Impurity C          | VS-X003003 | 5106-98-9    |
| 26915 | Yohimbine Hydrochloride      | VS-Y001000 | 65-19-0      |
| 26916 | Yohimbine EP Impurity A      | VS-Y001001 | 549-84-8     |
| 26917 | Yohimbine EP Impurity B      | VS-Y001002 | 131-03-3     |

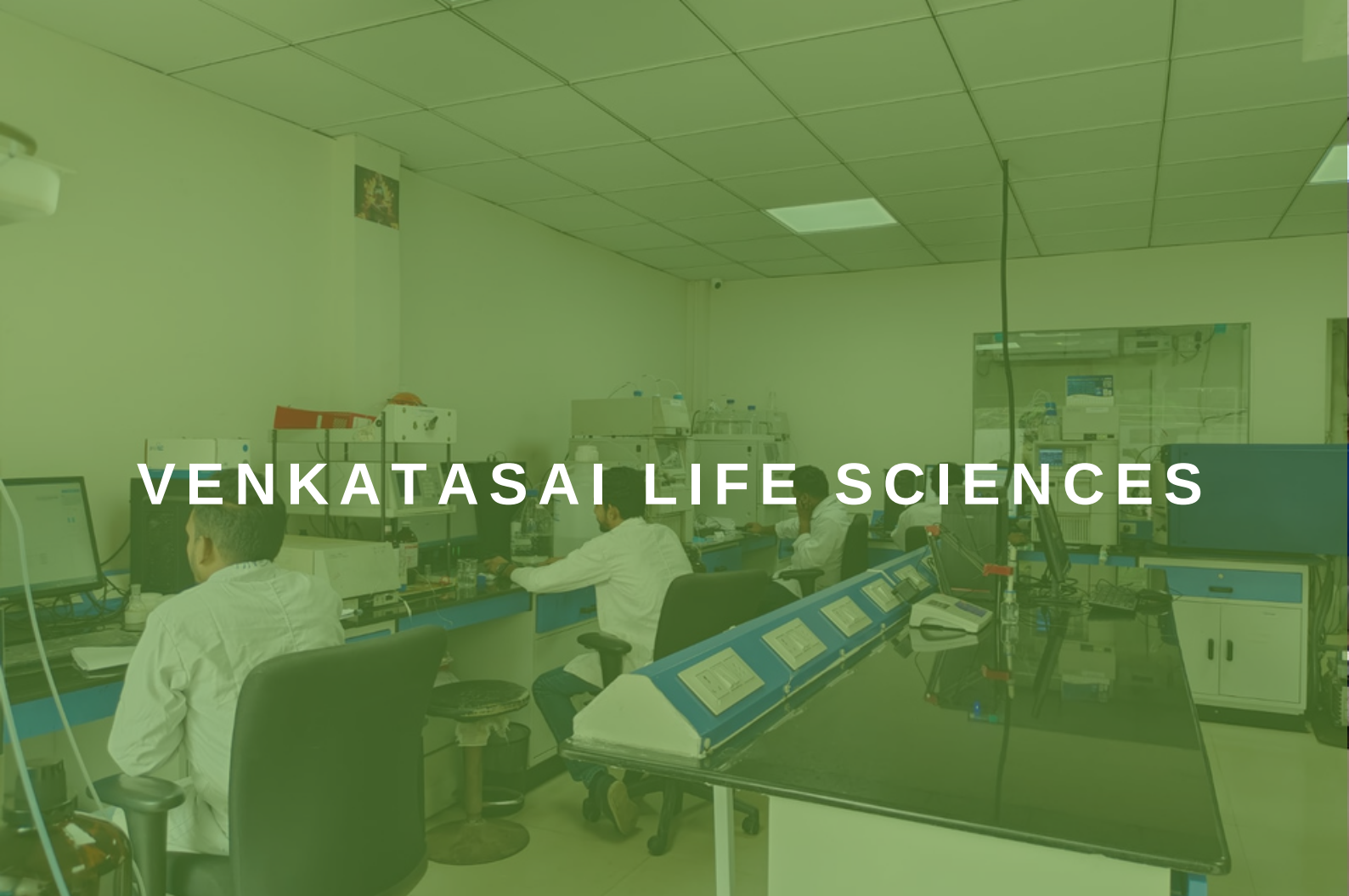
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|-------|------------------------------------------------|------------|--------------|
| 26918 | Yohimbine EP Impurity C                        | VS-Y001003 | 483-10-3     |
| 26919 | Yohimbine EP Impurity D                        | VS-Y001004 | 84-37-7      |
| 26920 | Yohimbine EP Impurity E                        | VS-Y001005 | 50439-68-4   |
| 26921 | Zafirlukast                                    | VS-Z001000 | 107753-78-6  |
| 26922 | Decyclopentyl Zafirlukast Methyl Ester         | VS-Z001001 | 1159195-67-1 |
| 26923 | Zafirlukast m-Tolyl Isomer                     | VS-Z001002 | 1159195-69-3 |
| 26924 | Zafirlukast p-Tolyl Isomer                     | VS-Z001003 | 1159195-70-6 |
| 26925 | 2-Chloro Zafirlukast                           | VS-Z001004 | N/A          |
| 26926 | Zafirlukast Oxidative Dimer                    | VS-Z001005 | N/A          |
| 26927 | Zafirlukast Impurity F                         | VS-Z001006 | 1160235-28-8 |
| 26928 | Zafirlukast Impurity G                         | VS-Z001007 | 1391990-94-5 |
| 26929 | Zafirlukast Impurity 1                         | VS-Z001008 | 1160235-24-4 |
| 26930 | Zafirlukast Impurity 2                         | VS-Z001009 | 1160235-26-6 |
| 26931 | Zafirlukast Impurity 3                         | VS-Z001010 | 107754-14-3  |
| 26932 | Zafirlukast Impurity 4                         | VS-Z001011 | 107754-19-8  |
| 26933 | Zafirlukast Impurity 5                         | VS-Z001012 | 107754-20-1  |
| 26934 | Zafirlukast Impurity 6                         | VS-Z001013 | 116-37-0     |
| 26935 | Zafirlukast Impurity 7                         | VS-Z001014 | 1795185-03-3 |
| 26936 | Zafirlukast Impurity 8                         | VS-Z001015 | N/A          |
| 26937 | Zafirlukast Impurity 9                         | VS-Z001016 | N/A          |
| 26938 | Zafirlukast Impurity 10                        | VS-Z001017 | N/A          |
| 26939 | Zafirlukast Impurity 11                        | VS-Z001018 | N/A          |
| 26940 | Zafirlukast Impurity 12                        | VS-Z001019 | N/A          |
| 26941 | Zanubrutinib                                   | VS-Z002000 | 1691249-45-2 |
| 26942 | N-Nitroso Zanubrutinib                         | VS-Z002001 | NA           |
| 26943 | Zephirol                                       | VS-Z003000 | 139-07-1     |
| 26944 | Benzyltrimethyldecylammonium chloride          | VS-Z003001 | 965-32-2     |
| 26945 | Benzyltrimethyltetradecylammonium Chloride     | VS-Z003002 | 139-08-2     |
| 26946 | Cetalkonium Chloride                           | VS-Z003003 | 122-18-9     |
| 26947 | Zidovudine                                     | VS-Z004000 | 30516-87-1   |
| 26948 | Zidovudine EP Impurity A                       | VS-Z004001 | 3056-17-5    |
| 26949 | Zidovudine EP Impurity B                       | VS-Z004002 | 25526-94-7   |
| 26950 | Zidovudine EP Impurity C                       | VS-Z004003 | 65-71-4      |
| 26951 | Zidovudine EP Impurity D                       | VS-Z004004 | 76-84-6      |
| 26952 | Zidovudine EP Impurity E                       | VS-Z004005 | 50-89-5      |
| 26953 | Zidovudine EP Impurity F                       | VS-Z004006 | 16053-52-4   |
| 26954 | Zidovudine EP Impurity G                       | VS-Z004007 | 148665-49-0  |
| 26955 | Zidovudine EP Impurity J                       | VS-Z004008 | 29706-84-1   |
| 26956 | Zidovudine EP Impurity K                       | VS-Z004009 | 596-31-6     |
| 26957 | Zidovudine Impurity 1                          | VS-Z004010 | N/A          |
| 26958 | Zileuton                                       | VS-Z005000 | 111406-87-2  |
| 26959 | Zileuton Sulfoxide                             | VS-Z005001 | 1147524-83-1 |
| 26960 | Zileuton Glucuronide                           | VS-Z005002 | 141056-63-5  |
| 26961 | Zileuton USP Related Compound A                | VS-Z005003 | 171370-49-3  |
| 26962 | Zileuton USP Related Compound B                | VS-Z005004 | 97978-07-9   |
| 26963 | Zileuton Impurity C                            | VS-Z005005 | 22720-75-8   |
| 26964 | (Z)-1-(benzo[b]thiophenyl-2-yl) ethanone oxime | VS-Z005006 | 147396-08-5  |

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|-------|----------------------------------------------------|------------|--------------|
| 26965 | (E)-1-(benzo[b]thiophen-2-yl)ethanone oxime        | VS-Z005007 | 147396-07-4  |
| 26966 | Zileuton Oxime Impurity                            | VS-Z005008 | 118564-88-8  |
| 26967 | Zileuton Impurity 1                                | VS-Z005009 | 51868-95-2   |
| 26968 | Zileuton Impurity 2                                | VS-Z005010 | 1026256-93-8 |
| 26969 | Zileuton Impurity 3                                | VS-Z005011 | 118564-89-9  |
| 26970 | Zileuton Impurity 4                                | VS-Z005012 | 141580-65-6  |
| 26971 | Zileuton Impurity 5                                | VS-Z005013 | 1196-81-2    |
| 26972 | Ziprasidone Hydrochloride Monohydrate              | VS-Z006001 | 138982-67-9  |
| 26973 | Ziprasidone EP Impurity A                          | VS-Z006002 | 87691-87-0   |
| 26974 | Ziprasidone EP Impurity B                          | VS-Z006003 | 1159977-56-6 |
| 26975 | Ziprasidone EP Impurity C                          | VS-Z006004 | 1159977-64-6 |
| 26976 | Ziprasidone EP Impurity D                          | VS-Z006005 | 1303996-68-0 |
| 26977 | Ziprasidone EP Impurity E                          | VS-Z006006 | 1159977-04-4 |
| 26978 | Ziprasidone Impurity F                             | VS-Z006007 | 118289-55-7  |
| 26979 | Ziprasidone EP Impurity P                          | VS-Z006008 | 223586-82-1  |
| 26980 | Ziprasidone Sulfoxide                              | VS-Z006009 | 188797-80-0  |
| 26981 | Ziprasidone Deschloro Impurity                     | VS-Z006010 | 118305-72-9  |
| 26982 | Ziprasidone N-Oxide                                | VS-Z006011 | 188797-76-4  |
| 26983 | Hydroxy Ziprasidone                                | VS-Z006012 | 884305-08-2  |
| 26984 | N-Methyl Ziprasidone                               | VS-Z006013 | 774595-88-9  |
| 26985 | 6-Chlorooxindole                                   | VS-Z006014 | 56341-37-8   |
| 26986 | Ziprasidone Keto Impurity                          | VS-Z006015 | 884305-07-1  |
| 26987 | Ziprasidone Impurity 1                             | VS-Z006016 | 884305-06-0  |
| 26988 | Ziprasidone Impurity 2                             | VS-Z006017 | 684269-12-3  |
| 26989 | Ziprasidone Impurity 3                             | VS-Z006018 | 160384-40-7  |
| 26990 | Ziprasidone Impurity 4                             | VS-Z006019 | 1797879-13-0 |
| 26991 | Ziprasidone Impurity 5                             | VS-Z006020 | 131779-46-9  |
| 26992 | Ziprasidone Impurity 6                             | VS-Z006021 | 160384-37-2  |
| 26993 | Ziprasidone Impurity 7                             | VS-Z006022 | 160384-38-3  |
| 26994 | Ziprasidone Impurity 8                             | VS-Z006023 | 2514708-83-7 |
| 26995 | Ziprasidone Impurity 9                             | VS-Z006024 | N/A          |
| 26996 | Ziprasidone Impurity 10                            | VS-Z006025 | 2327157-90-2 |
| 26997 | Ziprasidone Impurity 11                            | VS-Z006026 | 118307-04-3  |
| 26998 | Ziprasidone Impurity 12                            | VS-Z006027 | 147124-32-1  |
| 26999 | Ziprasidone Impurity 13                            | VS-Z006028 | 118306-76-6  |
| 27000 | Ziprasidone Related Compound A                     | VS-Z006029 | 87691-88-1   |
| 27001 | Ziprasidone Hydrochloride Impurity C (Sodium Salt) | VS-Z006030 | 1798033-44-9 |
| 27002 | Ziprasidone Related Compound F                     | VS-Z006031 | NA           |
| 27003 | Ziprasidone Impurity 17                            | VS-Z006032 | 37777-71-2   |
| 27004 | Ziprasidone                                        | VS-Z006033 | 146939-27-7  |
| 27005 | Zoledronic Acid                                    | VS-Z007000 | 118072-93-8  |
| 27006 | Zoledronic Diacid Impurity                         | VS-Z007001 | 936903-91-2  |
| 27007 | Imidazole 1-yl acetic acid                         | VS-Z007002 | 87266-37-3   |
| 27008 | Zoledronic Acid monohydrate                        | VS-Z007003 | 165800-06-6  |
| 27009 | Zoledronic Acid Dimer Impurity                     | VS-Z007004 | N/A          |
| 27010 | Zoledronic Acid EP Impurity A                      | VS-Z007005 | 1627731-60-5 |
| 27011 | Zoledronic Acid EP Impurity B                      | VS-Z007006 | 1632236-60-2 |

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|-------|---------------------------------------------|------------|--------------|
| 27012 | Zoledronic Acid EP Impurity C               | VS-Z007007 | 288-32-4     |
| 27013 | Zoledronic Acid EP Impurity D               | VS-Z007008 | 22884-10-2   |
| 27014 | Zoledronic Acid EP Impurity E               | VS-Z007009 | 13598-36-2   |
| 27015 | Zoledronic Acid EP Impurity F               | VS-Z007010 | 7664-38-2    |
| 27016 | Zoledronic Acid Impurity 1                  | VS-Z007011 | 20075-26-7   |
| 27017 | Zoledronic Acid Impurity 2                  | VS-Z007012 | 117255-11-5  |
| 27018 | Zoledronic Acid Impurity 3                  | VS-Z007013 | 39106-78-0   |
| 27019 | Zoledronic Acid Impurity 4                  | VS-Z007014 | 21921-91-5   |
| 27020 | Zolmitriptan                                | VS-Z008000 | 139264-17-8  |
| 27021 | Zolmitriptan EP Impurity F                  | VS-Z008001 | 139264-69-0  |
| 27022 | Zolmitriptan EP Impurity A                  | VS-Z008002 | 139264-24-7  |
| 27023 | Zolmitriptan EP Impurity B                  | VS-Z008003 | 251451-30-6  |
| 27024 | Zolmitriptan EP Impurity C                  | VS-Z008004 | 1350928-05-0 |
| 27025 | Zolmitriptan USP Related Compound C         | VS-Z008005 | 1346599-24-3 |
| 27026 | Zolmitriptan EP Impurity D                  | VS-Z008006 | 139264-15-6  |
| 27027 | Zolmitriptan USP Related Compound D         | VS-Z008007 | 191864-24-1  |
| 27028 | Zolmitriptan EP Impurity E                  | VS-Z008008 | 152305-23-2  |
| 27029 | Zolmitriptan EP Impurity G                  | VS-Z008009 | 139264-35-0  |
| 27030 | Zolmitriptan EP Impurity H                  | VS-Z008010 | N/A          |
| 27031 | Zolmitriptan USP Related Compound H         | VS-Z008011 | 1116-77-4    |
| 27032 | Zolmitriptan EP Impurity I                  | VS-Z008012 | 659738-69-9  |
| 27033 | Zolmitriptan Aminopropanol Impurity         | VS-Z008013 | 726134-79-8  |
| 27034 | Zolmitriptan Hydroxy Ketone Analog          | VS-Z008014 | N/A          |
| 27035 | Zolmitriptan Pyrrolo Analog Quaternary Salt | VS-Z008015 | N/A          |
| 27036 | Zolmitriptan Hydroxymethyl Impurity         | VS-Z008016 | N/A          |
| 27037 | Zolmitriptan Methylene Dimer                | VS-Z008017 | N/A          |
| 27038 | Zolmitriptan Aminoethylindole Impurity      | VS-Z008018 | N/A          |
| 27039 | Zolmitriptan N-Oxide Impurity               | VS-Z008019 | N/A          |
| 27040 | Zolmitriptan Desmethyl Impurity             | VS-Z008020 | N/A          |
| 27041 | Zolmitriptan Tryptamine Impurity            | VS-Z008021 | 61-54-1      |
| 27042 | (S)-4-Benzyloxazolidin-2-one                | VS-Z008022 | 90719-32-7   |
| 27043 | Zolmitriptan Hydroxymethyl Quaternary Salt  | VS-Z008023 | N/A          |
| 27044 | Zolmitriptan Impurity 1                     | VS-Z008024 | N/A          |
| 27045 | Zolmitriptan Impurity 2                     | VS-Z008025 | N/A          |
| 27046 | Zolmitriptan Impurity 3                     | VS-Z008026 | N/A          |
| 27047 | Zolmitriptan Impurity 4                     | VS-Z008027 | N/A          |
| 27048 | Zolmitriptan Impurity 5                     | VS-Z008028 | 139264-55-4  |
| 27049 | Zolmitriptan Impurity 6                     | VS-Z008029 | N/A          |
| 27050 | Zolmitriptan Impurity 7                     | VS-Z008030 | N/A          |
| 27051 | Zolmitriptan Impurity 8                     | VS-Z008031 | N/A          |
| 27052 | Zolmitriptan Impurity 9                     | VS-Z008032 | 339362-86-6  |
| 27053 | Zolmitriptan Impurity 10                    | VS-Z008033 | 139264-57-6  |
| 27054 | Zolmitriptan Impurity IIA                   | VS-Z008034 | NA           |
| 27055 | N-Nitroso N-Desmethyl Zolmitriptan          | VS-Z008035 | NA           |
| 27056 | Zonisamide                                  | VS-Z009000 | 68291-97-4   |
| 27057 | Zonisamide USP Related Compound A           | VS-Z009001 | 73101-64-1   |
| 27058 | Zonisamide USP Related Compound C           | VS-Z009002 | 1217201-89-2 |

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|-------|------------------------------------------|------------|--------------|
| 27059 | Zonisamide Impurity 1                    | VS-Z009003 | 4865-84-3    |
| 27060 | N-Methyl Zonisamide                      | VS-Z009004 | 68292-02-4   |
| 27061 | Zopiclone                                | VS-Z010000 | 43200-80-2   |
| 27062 | Zopiclone EP Impurity A                  | VS-Z010001 | 43200-96-0   |
| 27063 | Zopiclone EP Impurity B                  | VS-Z010002 | 43200-81-3   |
| 27064 | Zopiclone EP Impurity C                  | VS-Z010003 | 148891-53-6  |
| 27065 | (R)-Zopiclone                            | VS-Z010004 | 138680-08-7  |
| 27066 | Eszopiclone (S-Zopiclone)                | VS-Z010005 | 138729-47-2  |
| 27067 | N-Desmethyl Zopiclone HCl                | VS-Z010006 | 1216659-29-8 |
| 27068 | N-Demethyl Eszopiclone HCl               | VS-Z010007 | 300701-71-7  |
| 27069 | Zopiclone Deschloro Impurity             | VS-Z010008 | 1348046-61-6 |
| 27070 | Di-O-benzoyl-D-tartaric Acid             | VS-Z010009 | 17026-42-5   |
| 27071 | Zopiclone Impurity 1                     | VS-Z010010 | 1072-98-6    |
| 27072 | Zopiclone Impurity 2                     | VS-Z010011 | N/A          |
| 27073 | Zopiclone Impurity 3                     | VS-Z010012 | N/A          |
| 27074 | Zopiclone Impurity 4                     | VS-Z010013 | 349125-10-6  |
| 27075 | Zopiclone Impurity 5                     | VS-Z010014 | 1122549-43-2 |
| 27076 | Zopiclone Impurity 6                     | VS-Z010015 | N/A          |
| 27077 | Zopiclone Impurity 7                     | VS-Z010016 | 4180-30-7    |
| 27078 | Zopiclone Impurity 8                     | VS-Z010017 | N/A          |
| 27079 | Zopiclone Impurity 9                     | VS-Z010018 | N/A          |
| 27080 | Zopiclone Impurity 10                    | VS-Z010019 | N/A          |
| 27081 | Zopiclone Impurity 11                    | VS-Z010020 | N/A          |
| 27082 | Zopiclone Impurity 12                    | VS-Z010021 | 43200-83-5   |
| 27083 | Zopiclone Impurity 13                    | VS-Z010022 | 43200-82-4   |
| 27084 | Zopiclone Impurity 14                    | VS-Z010023 | 151776-26-0  |
| 27085 | Zopiclone D4                             | VS-Z010024 | 1216542-39-0 |
| 27086 | Zopiclone D8 N-Oxide                     | VS-Z010025 | 1215741-18-6 |
| 27087 | R-Zopiclone D8                           | VS-Z010026 | 2699607-66-2 |
| 27088 | S-Zopiclone D8                           | VS-Z010027 | 1093385-24-0 |
| 27089 | Zopiclone D8                             | VS-Z010028 | 1215518-83-4 |
| 27090 | Zuclopenthixol Hydrochloride             | VS-Z011001 | 1275595-34-0 |
| 27091 | Zuclopenthixol Decanoate Dihydrochloride | VS-Z011002 | 1448876-93-4 |
| 27092 | Zuclopenthixol Decanoate EP Impurity A   | VS-Z011003 | 55501-05-8   |
| 27093 | Zuclopenthixol Decanoate EP Impurity B   | VS-Z011004 | 86-39-5      |
| 27094 | Zuclopenthixol Decanoate EP Impurity C   | VS-Z011005 | 53772-83-1   |
| 27095 | Zolpidem Impurity A                      | VS-Z012001 | 1346600-85-8 |
| 27096 | Zolpidem EP Impurity C                   | VS-Z012002 | 4619-20-9    |
| 27097 | Zolpidem Related Compound C              | VS-Z012003 | 349122-64-1  |
| 27098 | Zolpidem Impurity D Tartrate             | VS-Z012004 | 836627-56-6  |
| 27099 | Zolpidem Impurity 1                      | VS-Z012005 | 189005-44-5  |
| 27100 | Zolpidem Impurity 2                      | VS-Z012006 | 887282-93-1  |
| 27101 | Zolpidem Impurity 3                      | VS-Z012007 | 88965-00-8   |
| 27102 | Zolpidem Impurity 4                      | VS-Z012008 | 365213-58-7  |
| 27103 | Zolpidem Impurity 5                      | VS-Z012009 | 83192-85-2   |
| 27104 | Zolpidem Impurity 6                      | VS-Z012010 | 65964-61-6   |
| 27105 | Oxozolpidem                              | VS-Z012011 | 400038-68-8  |

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|-------|---------------------------------|------------|--------------|
| 27106 | Zolpidem Carbaldehyde           | VS-Z012012 | 400777-11-9  |
| 27107 | Zaleplon                        | VS-Z013000 | 151319-34-5  |
| 27108 | Zaleplon USP Related Compound A | VS-Z013001 | 1227694-96-3 |
| 27109 | Zaleplon USP Related Compound B | VS-Z013002 | 478081-98-0  |
| 27110 | Zaleplon USP Related Compound C | VS-Z013003 | 940951-54-2  |
| 27111 | Zaleplon Oxopropenyl Analog     | VS-Z013004 | 940951-61-1  |
| 27112 | Desethyl Zaleplon               | VS-Z013005 | 115931-01-6  |
| 27113 | Zaltoprofen                     | VS-Z014000 | 74711-43-6   |
| 27114 | Zaltoprofen Sulfoxide           | VS-Z014001 | 134085-79-3  |
| 27115 | Zearalenone                     | VS-Z015000 | 17924-92-4   |
| 27116 | Zeaxanthin                      | VS-Z016000 | 144-68-3     |
| 27117 | Lutein                          | VS-Z016001 | 127-40-2     |
| 27118 | Zilpaterol                      | VS-Z017000 | 119520-05-7  |
| 27119 | Zilpaterol-d7                   | VS-Z017001 | 1217818-36-4 |
| 27120 | Zofenopril                      | VS-Z018000 | 81872-10-8   |
| 27121 | Zofenopril Potassium            | VS-Z018001 | 81938-42-3   |
| 27122 | Zofenopril Impurity 1           | VS-Z018002 | 72679-02-8   |
| 27123 | Zofenopril Impurity 2           | VS-Z018003 | 105107-84-4  |
| 27124 | Zofenopril Impurity 3           | VS-Z018004 | 75176-34-0   |
| 27125 | Zofenopril Impurity 4           | VS-Z018005 | 57653-38-0   |
| 27126 | Zofenopril Impurity 5           | VS-Z018006 | 88043-21-4   |
| 27127 | Zofenopril-D5                   | VS-Z018007 | NA           |
| 27128 | Zofenopril R-Isomer             | VS-Z018008 | NA           |
| 27129 | Zofenopril Recemix mixture      | VS-Z018009 | NA           |
| 27130 | Zotepine                        | VS-Z019000 | 26615-21-4   |
| 27131 | Zotepine S-Oxide                | VS-Z019001 | 78105-23-4   |
| 27132 | Zotepine N-Oxide                | VS-Z019002 | 63720-83-2   |



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