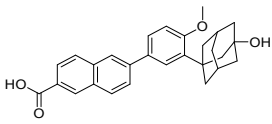
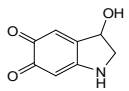
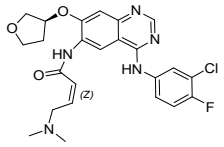
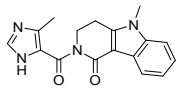
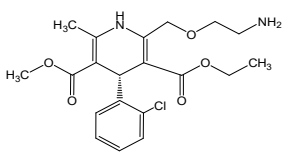
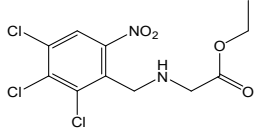


Pharmaceutical Reference Standards Catalogue-2018

Primary standards, Impurity standards, Working standards and Deuterated standards
(New Standards from Aug '18 to Nov '18)



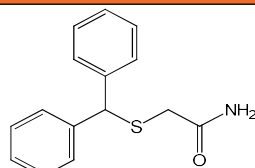
307-308, Model Export Bhavan, 14thCross, 2nd Stage, Peenya Industrial Area, Bangalore-560058, India

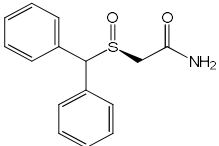
Code	Product Name	Structure	CAS No.
Adapalene			
ACI 011902	Adapalene Imp.B (EP): 6-[3-(3-Hydroxytricyclo[3.3.1.1 ^{3,7}]dec-1-yl)-4-methoxyphenyl]-2-naphthalenecarboxylic Acid		1346599-76-5
Adrenaline Tartate			
ACI 014212	Adrenaline tartate impurity: 3-hydroxy-2,3-dihydro-1H-indole-5,6-dione		490-89-1
Afatinib			
ACI 015514	Cis Afatinib Impurity: (2Z)-2-Butenamide, N-[4-[(3-chloro-4-fluorophenyl)amino]-7-[[[(3S)-tetrahydro-3-furanyl]oxy]-6-quinazoliny]-4-(dimethylamino)-		1680184-59-1
Alosetron			
ACI 016111	Alosetron impurity RRT 0.89: 2,3,4,5-tetrahydro-5-methyl-2-[[4-methyl-1H-imidazol-5-yl]carbonyl]-1H-Pyrido[4,3-b]indol-1-one		1011293-30-3
Amlodipine Besilate			
ACI 011017	Amlodipine Besilate Impurity: 3-Ethyl 5-Methyl (4R)-2-(2-Aminoethoxy)methyl-4-(2-chlorophenyl)-6-methyl-1,4-dihydropyridine-3,5-dicarboxylate (R- Amlodipine)		103129-81-3
Anagrelide			
ACI 013014	Anagrelide impurity: Ethyl 2-(2,3,4-trichloro-6-nitrobenzylamino)acetate		n/a

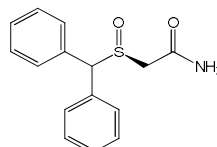
Code	Product Name	Structure	CAS No.
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Armodafinil

ACI 016311	Armodafinil Impurity: 2-(Benzhydrylsulfanyl) acetamide		68524-30-1
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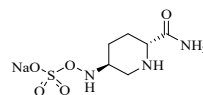


ACI 016312	Armodafinil Impurity: 2-[(S)-(diphenylmethyl)sulfinyl]acetamide (S-isomer)		112111-47-4
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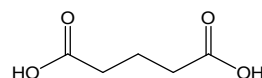
Avibactam

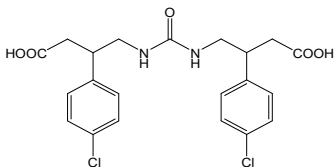
ACI 015811	Avibactam impurity: 5R-(N-Sulfonyloxy)amino L-Pipecolic Amide Sodium Salt		n/a
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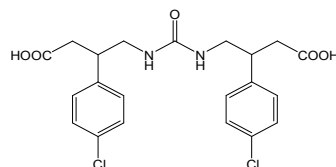


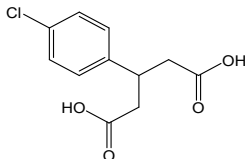
Baclofen

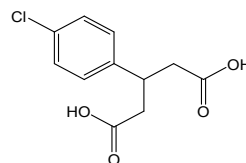
ACI 023212	Baclofen Impurity: Glutaric Acid		110-94-1
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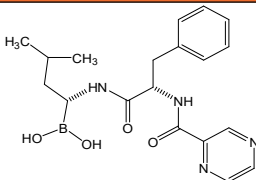
ACI 023213	Baclofen Impurity: N, B-Di [3-carboxy-2-(4-chlorophenyl)-propyl]urea. (Dibaclofen Urea)		n/a
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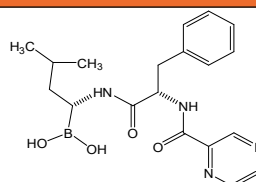


ACI 023214	Baclofen Impurity: 3-(4-Chlorophenyl) glutaric acid		35271-74-0
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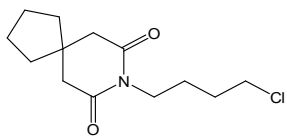
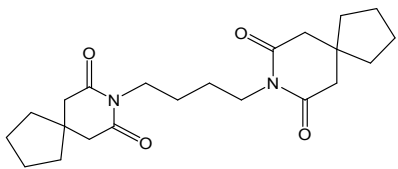
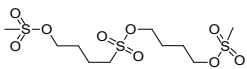
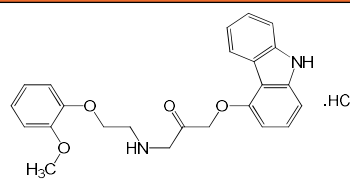
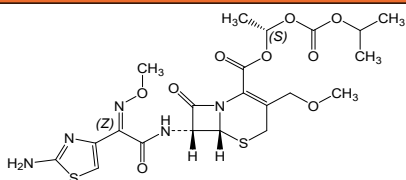
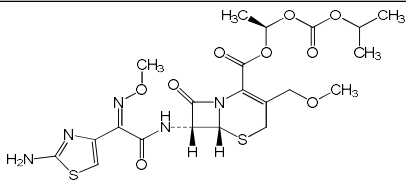
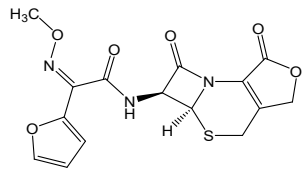


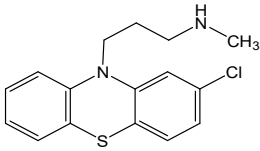
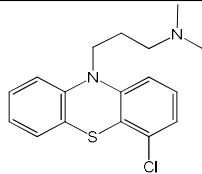
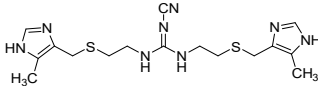
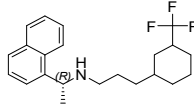
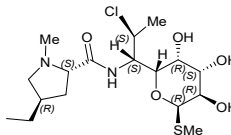
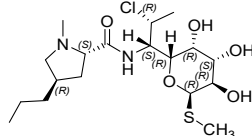
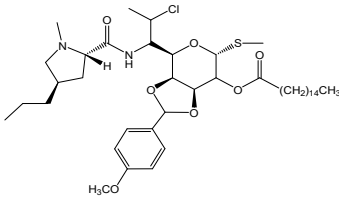
Bortezomib

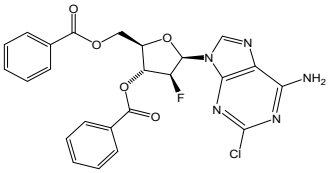
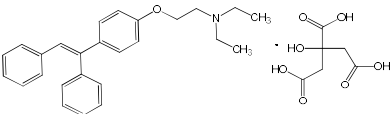
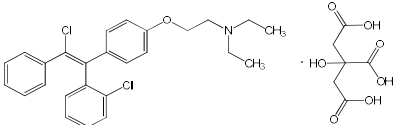
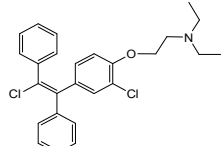
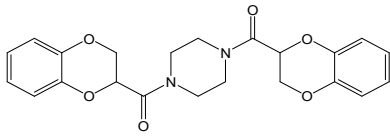
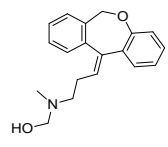
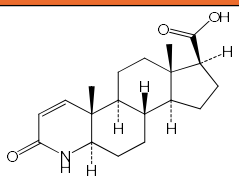
ACI 021600	Bortezomib: B-[(1R)-3-methyl-1-[[[(2S)-1-oxo-3-phenyl-2-[(2-pyrazinylcarbonyl) amino]propyl]amino]butyl]-Boronic acid		179324-69-7
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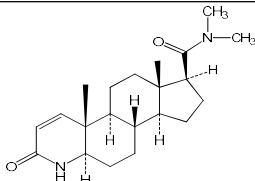
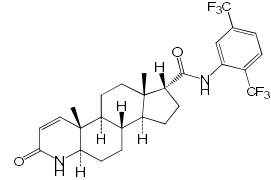
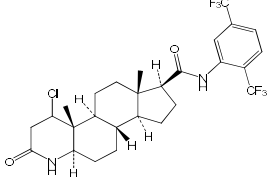
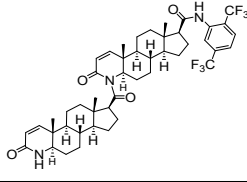
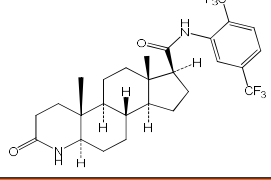
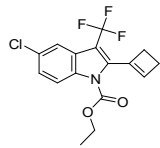
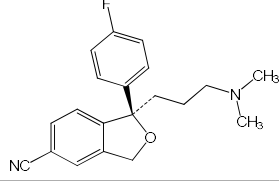
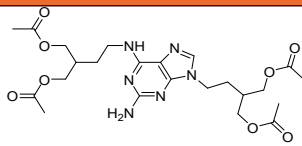


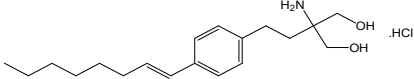
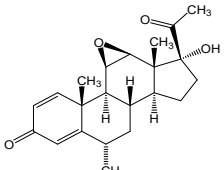
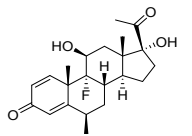
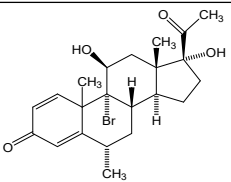
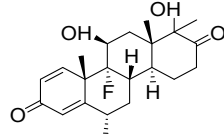
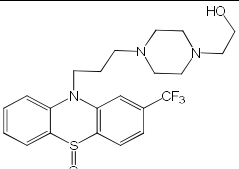
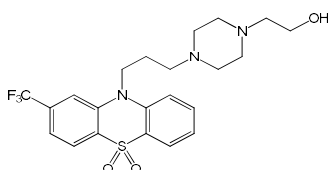
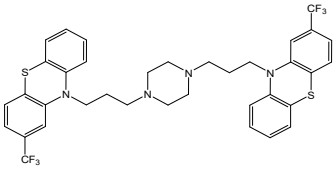
Buspirone Hydrochloride

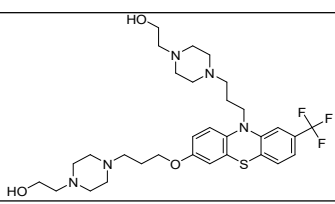
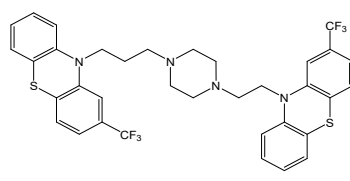
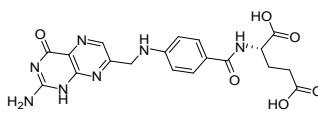
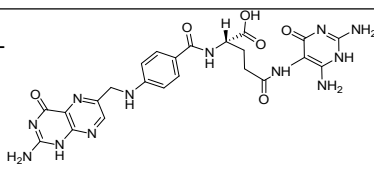
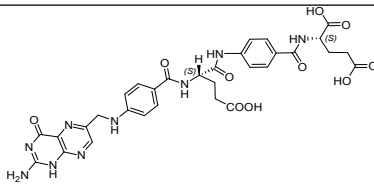
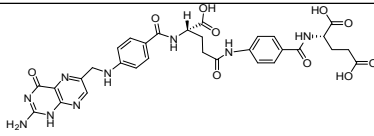
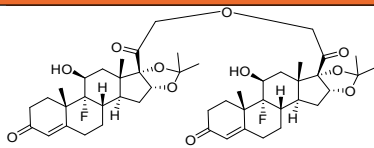
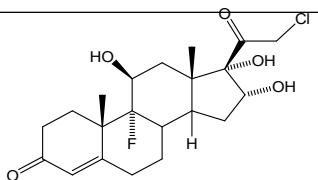
Code	Product Name	Structure	CAS No.
ACI 021212	Buspirone Hydrochloride Imp.L (EP): 8-(4-Chlorobutyl)-8-azaspiro[4,5]decane-7,9-dione		2109-11-3
ACI 021214	Buspirone Hydrochloride Imp .N (EP): 8,8'-(butane-1,4-diyl)bis(8-azaspiro[4,5]decane-7,9-dione)		33386-08-2
Busulfan			
ACI 023911	Busulfan Impurity 2: 4-((methylsulfonyl)oxy)butyl 4-((methylsulfonyl)oxy)butane-1-sulfonate		n/a
Carvedilol			
ACI 031015	Carvedilol Impurity as Hydrochloride salt: 1-(9H-carbazol-4-yloxy)-3-[[2-(2-methoxyphenoxy)ethyl]amino]-2-Propanone Hydrochloride salt (Carvedilol keto Impurity)		933442-50-3
Cepodoxime Proxetil			
ACI 038311	Cepodoxime Proxetil- Imp- S epimer: (1S)-Cepodoxime Proxetil [S Epimer of Cepodoxime Proxetil Impurity]		112345-71-8
ACI 038312	Cepodoxime proxetil Impurity: 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[[(2Z)-2-(2-amino-4-thiazolyl)-2-(methoxyimino)acetyl]amino]-3-(methoxymethyl)-8-oxo-, (1R)-1-[[[(1-methylethoxy)carbonyloxy]ethyl ester, (6R,7R)- (Cepodoxime proxetil -R epimer RS)		112345-70-7
Cefuroxime Sodium			
ACI 033508	Cefuroxime sodium Imp. H (EP): (5aR,6R)-6-[[[(Z)-(furan-2-yl)(methoxyimino)acetyl]amino]-5a,6-dihydro-3H,7H-azeto[2,1-b]furo[3,4-d][1,3]thiazine-1,7(4H)-dione (Cefuroxime lactone)		947723-87-7

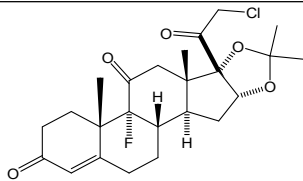
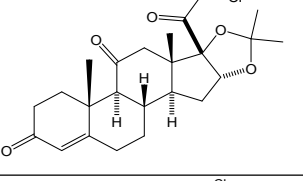
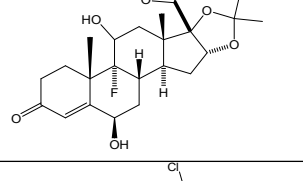
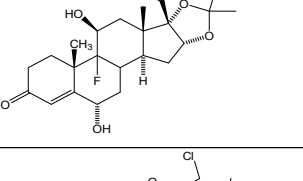
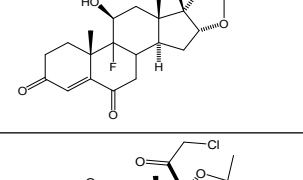
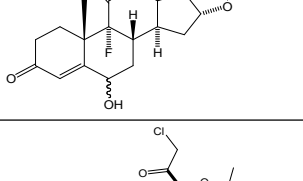
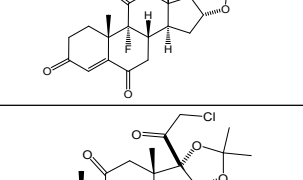
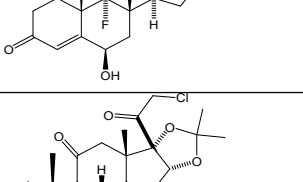
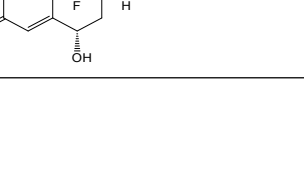
Code	Product Name	Structure	CAS No.
Chlorpromazine Hydrochloride			
ACI 035404	Chlorpromazine hydrochloride Imp. D (EP) as hydrochloride salt: 2-Chloro-N-methyl-10H-phenothiazine-10-propanamine Hydrochloride		3953-65-9
ACI 035406	Chlorpromazine hydrochloride Imp. F (EP): 3-(4-Chloro-10H-phenothiazin-10-yl)-N,N-dimethylpropan-1-amine		13094-24-1
Cimetidine			
ACI 036006	Cimetidine Imp.F (EP): 2-cyano-1,3-bis(2-(((5-methyl-1H-imidazol-4-yl)methyl)thio)ethyl)guanidine		55272-86-1
Cinacalcet			
ACI 033312	Cinacalcet Impurity: 1-Naphthalen-1-yl-ethyl-[3-(3-trifluoromethyl-cyclohexyl)-propyl]-amine		1271930-12-1
Clindamycin Hydrochloride			
ACI 031702	Clindamycin Hydrochloride Imp.B (EP): (2S-trans)-Methyl 7-Chloro-6,7,8-trideoxy-6-[[[4-ethyl-1-methyl-2-pyrrolidinyl)carbonyl]amino]-1-thio-L-threo--D-galactooctopyranoside		18323-43-8
ACI 031703	Clindamycin Hydrochloride Imp.C (EP): Methyl 7-Chloro-6,7,8-trideoxy-6-[[[(2S,4R)-1-methyl-4-propyl-2-pyrrolidinyl]carbonyl]amino]-1-thio-D-erythro-a-D-galactooctopyranoside		16684-06-3
ACI 031716	Clindamycin Hydrochloride Impurity: Methyl α-trans-7-chloro-6,7,8-trideoxy-3,4-O-(p-methoxybenzylidene)-6-(1-methyl-4-propyl-L-2-pyrrolidinecarboxamido)-1-thio-L-threo-D-galactooctopyranoside 2-Palmitate (Anisylidene clindamycin palmitate)		25670-17-1

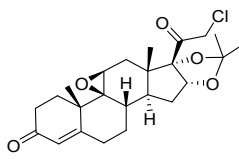
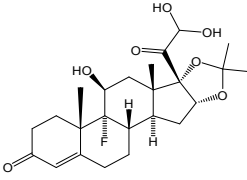
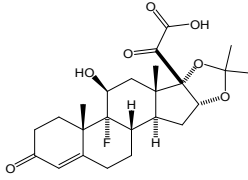
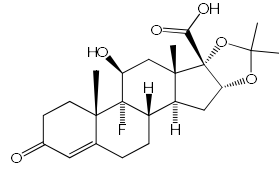
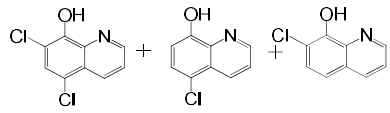
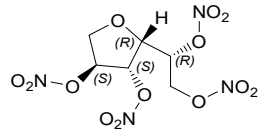
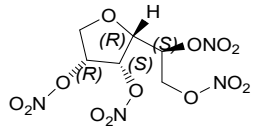
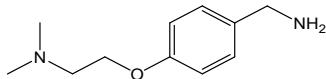
Code	Product Name	Structure	CAS No.
Clofarabine			
ACI 038411	Clofarabine Impurity :2-Chloro-9-(2-deoxy-2-fluoro-3,5-di-O-benzoyl-b-D-arabinofuranosyl)-9H-purin-6-amine		355138-50-0
Clomifene Citrate			
ACI 036201	Clomifene citrate Imp. A (EP) as Citrate salt :2-[4-(1,2-diphenylethenyl)phenoxy]-N,N-diethylethanamine citrate (Deschloroclofemphene citrate)		19957-53-0
ACI 036206	Clomifene citrate Imp. F (EP) as Citrate salt : (2-[4-[2-chloro-2-(4-chlorophenyl)-1-phenylethenyl]phenoxy]-N,N-diethylethanamine citrate		14158-75-9
ACI 036207	Clomifene citrate Imp.G (EP) : 2-(2-Chloro-4-(2-chloro-1,2-diphenylvinyl)phenoxy)-N,N-diethylethanamine		1795130-17-4
Doxazosin Mesilate			
ACI 040503	Doxazosin Mesilate Imp. C (EP) : 1,4-bis(2,3-dihydro-1,4-benzodioxin-2-ylcarbonyl)piperazine		617677-53-9
Doxepin Hydrochloride			
ACI 040206	Doxepin Impurity : N-desmethyl-N-hydroxy methyl Doxepin		n/a
Dutasterude			
ACI 043801	Dutasterude Imp.A (EP) : (4aR,4bS,6aS,7S,9aS,9bS,11aR)-4a,6a-dimethyl-2-oxo-2,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-tetradecahydro-1H-indeno[5,4-f]quinoline-7-carboxylic acid		104239-97-6

Code	Product Name	Structure	CAS No.
ACI 043802	Dutasteride Imp.B(EP): (4aR,4bS,6aS,7S,9aS,9bS,11aR)-N,N,4a,6a-tetramethyl-2-oxo-2,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-tetradecahydro-1H-indeno[5,4-f]quinoline-7-carboxamide		n/a
ACI 043805	Dutasteride Imp.E (EP): (4aR,4bS,6aS,7R,9aS,9bS,11aR)-N-[2,5-bis(trifluoromethyl)phenyl]-4a,6a-dimethyl-2-oxo-2,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-tetradecahydro-1H-indeno[5,4-f]quinoline-7-carboxamide		1796930-46-5
ACI 043806	Dutasteride Imp.F (EP): (4S,4aR,4bS,6aS,7S,9aS,9bS,11aR)-N-[2,5-bis(trifluoromethyl)phenyl]-4-chloro-4a,6a-dimethyl-2-oxohexadecahydro-1H-indeno[5,4-f]quinoline-7-carboxamide		1365545-42-1
ACI 043809	Dutasteride Imp.I(EP): (4aR,4bS,6aS,7S,9aS,9bS,11aR)-N-[2,5-Bis(trifluoromethyl)phenyl]-2,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-tetradecahydro-4a,6a-dimethyl-2-oxo-1-[[[(4aR,4bS,6aS,7S,9aS,9bS,11aR)-2,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-tetradecahydro-4a,6a-dimethyl-2-oxo-1H-indeno[5,4-f]quinolin-7-yl]carbonyl]-1H-indeno[5,4-f]quinoline-7-carboxamide.		1648593-70-7
ACI 043821	Dutasteride Impurity: 4aR,4bS,6aS,7S,9aS,9bS,11aR)-N-[2,5-Bis(trifluoromethyl)phenyl]hexadecahydro-4a,6a-dimethyl-2-oxo-1H-Indeno[5,4-f]quinoline-7-carboxamide (Dihydro Dutasteride)		164656-22-8
Efavirenz			
ACI 051217	Efavirenz Cyclobutenylindole Impurity: 1H-Indole-1-carboxylic acid, 5-chloro-2-(1-cyclobuten-1-yl)-3-(trifluoromethyl)-, ethyl ester		2177283-35-9
Escitalopram			
ACI 050821	Escitalopram Imp. K (EP): (1R)-1-[3-Dimethylamino propyl]-1-(4-fluorophenyl)-1,3-dihydro-2-benzofuran-5-carbonitrile		n/a
Famciclovir			
ACI 063511	Famciclovir-6-alkylamino-impurity: 2-(2-[6-[4-Acetoxy-3-(acetoxymethyl)butylamino]-2-amino-9H-purin-9-yl]ethyl)propane-1,3-diyl Diacetate		n/a

Code	Product Name	Structure	CAS No.
Fingolimod			
ACI 062413	Fingolimod Impurity as Hydrochloride salt: 2-(4-(E)-oct-1-enyl)phenethyl)-2-aminopropane-1,3-diol Hydrochloride		n/a
Fluorometholone			
ACI 063212	Fluorometholone Impurity: 19β,11β-Epoxy-17α-hydroxy-6α-methylpregna-1,4-dien-3,20-dione (Epoxy medradiene)		83873-16-9
ACI 063214	Fluorometholone Impurity: 9-Fluoro-11β,17-dihydroxy-6β-methyl-pregna-1,4-diene-3,20-dione		3918-13-6
ACI 063216	Fluorometholone Impurity: 9-Bromo-11β,17-dihydroxy-6α-methyl-pregna-1,4-diene-3,20-dione (Medradiene Bromohydrin)		110664-58-9
ACI 063218	Fluorometholone Impurity: (4aS,4bS,6S,10aS,10bR,11S,12aS)-10b-Fluoro-1,11-dihydroxy-1,6,10a,12a-tetramethyl-4,4a,4b,5,6,10a,10b,11,12,12a-decahydrochrysen-2,8(1H,3H)-dione (D-Homo Derivative)		n/a
Fluphenazine Dihydrochloride			
ACI 063301	Fluphenazine dihydrochloride Imp. A (EP): 2-[4-[3-[5-oxo-2-(trifluoromethyl)-10H-5λ6-phenothiazin-10-yl]propyl]piperazin-1-yl]-ethanol (fluphenazine S-oxide)		1674-76-6
ACI 063302	Fluphenazine dihydrochloride Imp. B (EP): 2-[4-[3-[5,5-dioxo-2-(trifluoromethyl)-10H-5λ6-phenothiazin-10-yl]propyl]piperazin-1-yl]ethanol (fluphenazine S,S-dioxide)		n/a
ACI 063304	Fluphenazine dihydrochloride Imp. D (EP): 10,10'-[piperazine-1,4-diylbis(propyl-3,1-diyl)]bis[2-(trifluoromethyl)-10H-phenothiazine]		2376-89-8

Code	Product Name	Structure	CAS No.
ACI 063306	Fluphenazine dihydrochloride Imp. F (EP): 4-(2-hydroxyethyl)piperazin-1-yl)propoxy)-Fluphenazine		n/a
ACI 063321	Fluphenazine dihydrochloride Impurity: 2-(trifluoromethyl)-10-(2-(4-(3-(2-(trifluoromethyl)-10H-phenothiazin-10-yl)propyl)piperazin-1-yl)ethyl)-10H-phenothiazine		n/a
Folic acid			
ACI 060703	Folic acid Impurity C: L-Glutamic acid, N-[4-[[[(2-amino-3,4-dihydro-4-oxo-7-pteridiny]methyl]amino]benzoyl]		47707-78-8
ACI 060715	Folic acid Impurity 2B: N2-(4-[[[(2-amino-4-oxo-1,4-dihydropteridin-6-yl)methyl]amino]benzoyl]-N-(2,6-diamino-4-oxo-1,4dihydropyrimidin-5-yl)-L-glutamate		n/a
ACI 060718	Folic acid Impurity: N-(4-[[[N-(4-[[[(2-amino-4-oxo-1,4-dihydropteridin-6-yl)methyl]amino]benzoyl]-L-alpha-glutamyl]amino]glutamic acid.		n/a
ACI 060719	Folic acid Impurity : N-(4-[[[N-(4-[[[(2-amino-4-oxo-1,4-dihydropteridin-6-yl)methyl]amino]benzoyl]-L-gama-glutamyl]amino]glutamic acid		n/a
Halcinonide			
ACI 081811	Halcinonide Impurity: 1,2-dihydrotriamcinolone 16,17 acetonide dimer		n/a
ACI 081812	Halcinonide Impurity: 21-chloro, 11β,16α,17α-Trihydroxy-9α-fluoropregn-4-ene-3,20-dione		982-91-2

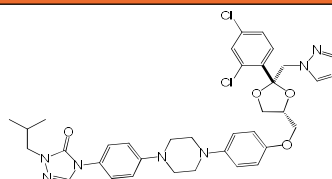
Code	Product Name	Structure	CAS No.
ACI 081813	Halcinonide Impurity: 21-chloro,16 α ,17 α -dihydroxy-9 α -fluoropregn-4-ene-3,11,20-trione16,17-acetonide (11-keto halcinonide)		n/a
ACI 081814	Halcinonide Impurity: 21-chloro,16 α ,17 α -dihydroxy,pregn-4-ene-3,11,20-trione16,17-acetonide		n/a
ACI 081815	Halcinonide Impurity: 6 β ,11 β ,16 α ,17 α -tetrahydroxy, 21-chloro, 9 α -fluoropregn-4-ene-3,20-dione16,17-acetonide		n/a
ACI 081816	Halcinonide Impurity: 6 α ,11 β ,16 α ,17 α -tetrahydroxy,21-chloro,9 α -fluoropregn-4-ene-3,20-dione16,17-acetonide		n/a
ACI 081817	Halcinonide Impurity: 11 β ,16 α ,17 α -trihydroxy,21-chloro, 9 α -fluoropregn-4-ene-1,3,20-trione16,17-acetonide		n/a
ACI 081819	Halcinonide Impurity: 6 α / β ,16 α ,17 α -trihydroxy,21-chloro, 9 α -fluoropregn-4-ene-3,11,20-trione16,17-acetonide		n/a
ACI 081820	Halcinonide Impurity: 16 α ,17 α -dihydroxy, 21-chloro, 9 α -fluoropregn-4-ene-3,6,11,20-tetraone16,17-acetonide		n/a
ACI 081821	Halcinonide Impurity: 21-chloro, 6 β , 16 α ,17 α -trihydroxy,pregn-4-ene-3,11,20-trione 16,17-acetonide		n/a
ACI 081822	Halcinonide Impurity: 21-chloro, 6 α ,16 α ,17 α -trihydroxy, pregn-4-ene-3,11,20-trione 16,17-acetonide		n/a

Code	Product Name	Structure	CAS No.
ACI 081823	Halcinonide Impurity: Pregn-4-ene-3,20-dione, 21-chloro-9,11-epoxy-16,17-[(1-methylethylidene)bis(oxy)], (9 β ,11 β ,16 α)		82427-96-1
ACI 081824	Halcinonide Impurity(Hydrated form): (11 β ,16 α)-9-fluoro-11-hydroxy-16,17-[(1-methylethylidene)bis(oxy)]-3,20-dioxo-pregn-4-en-21-al		n/a
ACI 081825	Halcinonide Impurity: (11 β ,16 α)-9-fluoro-11-hydroxy-16,17-[(1-methylethylidene)bis(oxy)]-3,20-dioxo-pregn-4-en-21-oic acid		80262-32-4
ACI 081826	Halcinonide Impurity: Androst-4-ene-17-carboxylic acid, 9-fluoro-11-hydroxy-16,17-[(1-methylethylidene)bis(oxy)]-3-oxo-, (6 α ,11 β ,16 α ,17 α)		n/a
Halquinol			
ACI 081600	Halquinol: Mixture of 5,7-Dichloroquinolin-8-ol (71.17%) + 5-Chloroquinolin-8-ol (26.47%) + 7-Chloroquinolin-8-ol (2.25%)		8067-69-4
Isosorbide Mononitrate			
ACI 091311	Isosorbide mononitrate Impurity: 1,4-Anhydroglucitol Tetranitrate		n/a
ACI 091312	Isosorbide mononitrate Impurity: 3,6 Anhydroglucitol Tetranitrate		n/a
Itopride Hydrochloride			
ACI 090511	Itopride Hydrochloride Impurity: 4-[2-(Dimethylamino)ethoxy]benzylamine		20059-73-8

Code	Product Name	Structure	CAS No.
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Itraconazole

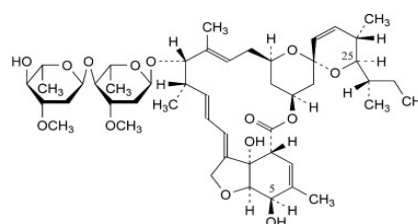
ACI 090202 **Itraconazole Imp. B (EP):**
4-[4-[4-[[[cis-2-(2,4-dichlorophenyl)-2-(4H-1,2,4-triazol-4-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]phenyl]-2-[(1RS)-1-methylpropyl]-2,4-dihydro-3H-1,2,4-triazol-3-one



854372-77-3

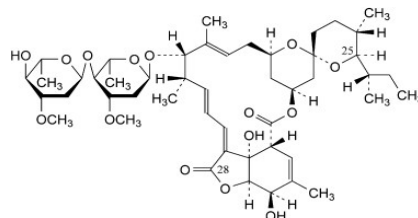
Ivermectin

ACI 092001 **Ivermectin Imp. A (EP):**
5-O-demethylavermectin A1a (Avermectin B1a)



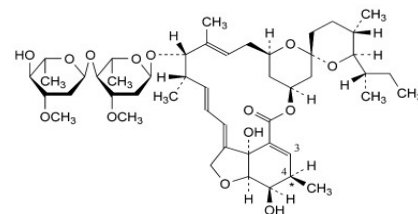
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ACI 092004 **Ivermectin Imp. D (EP):**
5-O-demethyl-28-oxo-22,23-dihydroavermectin A1a (28-oxoH2B1a)



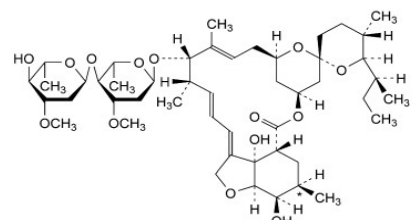
102190-55-6

ACI 092009 **Ivermectin Imp. I (EP):**
2,3-didehydro-5-O-demethyl-3,4,22,23-tetrahydroavermectin A1a (Δ 2,3H2B1a) (Mixture of Diastereomers)



1135339-49-9

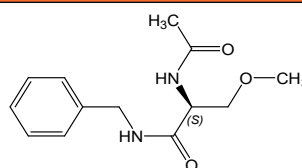
ACI 092011 **Ivermectin Imp. K (EP):**
(4R) and (4S)-5-O-demethyl-3,4,22,23-tetrahydroavermectin A1a (H4B1a isomers).



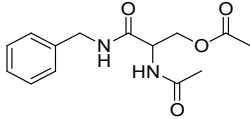
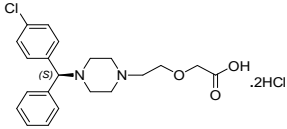
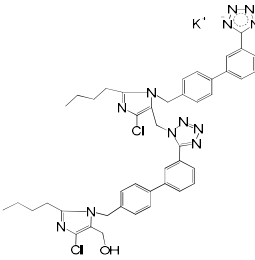
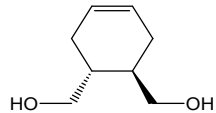
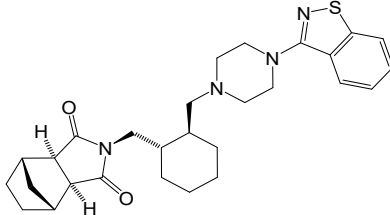
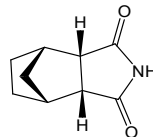
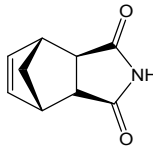
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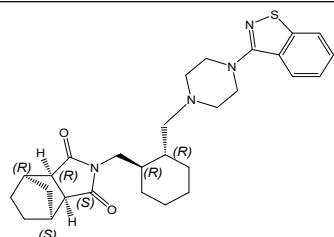
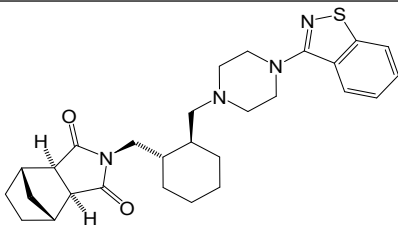
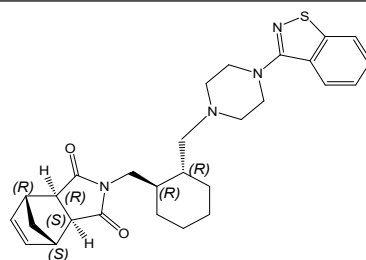
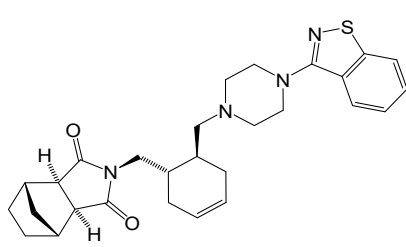
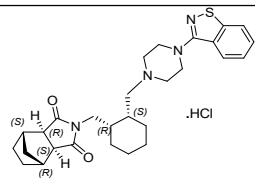
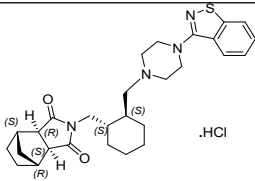
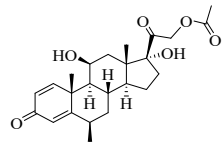
Lacosamide

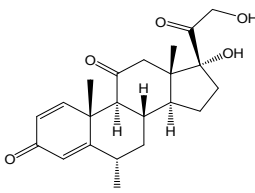
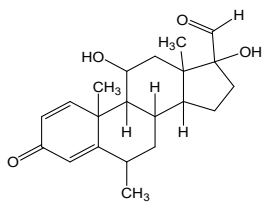
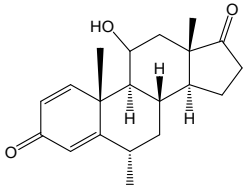
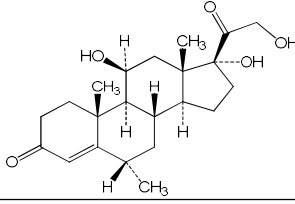
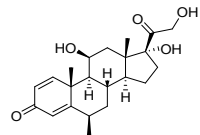
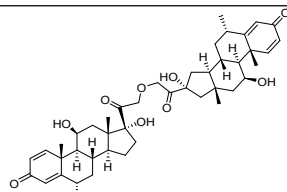
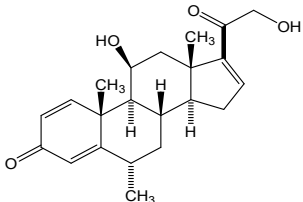
ACI 123717 **Lacosamide Impurity:**
(S)-2-Acetylamino-N-benzyl-3-methoxypropanamide (S-Enantiomer)

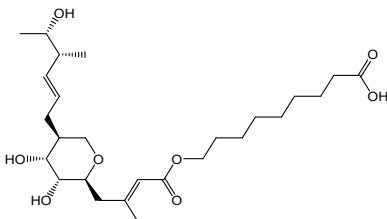
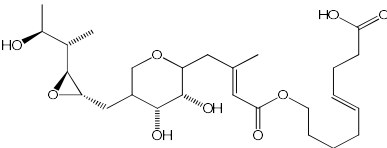
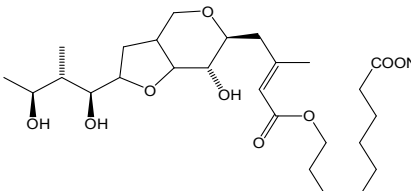
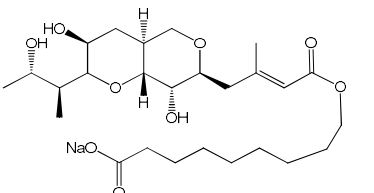
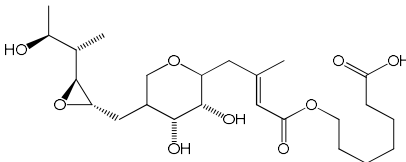
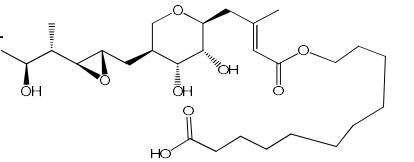


175481-37-5

Code	Product Name	Structure	CAS No.
ACI 123718	Lacosamide Impurity: R,S-2-Acetamido-3-(benzylamino)-3-oxopropyl acetate		1822463-67-1
Levocetirizine Dihydrochloride			
ACI 0120520	Levocetirizine Dihydrochloride :-(S)-Cetirizine Dihydrochloride: (S)-[2-[4-[(4-Chlorophenyl)-phenylmethyl]-1-piperazinyl]ethoxy]acetic Acid Dihydrochloride		163837-48-7
Losartan Potassium			
ACI 120721	Losartan potassium Impurity as potassium salt: [2-Butyl-1-[[2'-[1-[[2-butyl-4-chloro-1-[[2'-(1H-tetrazol-5-yl)biphenyl-4-yl]methyl]-1H-imidazol-5-yl]methyl]-1H-tetrazol-5-yl]biphenyl-4-yl]methyl-4-chloro-1H-imidazol-5-yl]methanol potassium		212316-86-4
Lurasidone			
ACI 124011	Lurasidone Impurity: Trans-Cyclohex-4-ene-1,2-diyl dimethanol		n/a
ACI 124012	Lurasidone Impurity: (3aR,4S,7R,7aS)-2-[(1S,2S)-2-[4-(1,2-benzisothiazol-3-yl)-piperazin-1-yl-methyl]-cyclohexyl methyl] hexahydro-4,7-methano-2H-isoindole-1,3-dione (1S, 2S Enantiomer).		n/a
ACI 124013	Lurasidone Impurity: Endo-2,3-Norbornanedicarboximide		28871-95-6
ACI 124014	Lurasidone Impurity: Exo-5-Norbornene-2,3-dicarboximide		6319-06-8

Code	Product Name	Structure	CAS No.
ACI 124015	Lurasidone Impurity: (3aR,4R,7S,7aS)-2-[[1R,2R]-2-[4-(1,2-benzisothiazol-3-yl)-piperazin-1-yl-methyl]-cyclohexyl methyl]hexahydro-4,7-methano-2H-isoindole-1,3-dione (Endo Lurasidone)		1318074-25-7
ACI 124016	Lurasidone Impurity: (3aR,4S,7R,7aS)-2-[[1R,2S-rel]-2-[4-(1,2-benzisothiazol-3-yl)-piperazin-1-yl-methyl]-cyclohexyl methyl]hexahydro-4,7-methano-2H-isoindole-1,3-dione (Cis Lurasidone)		194861-82-0
ACI 124017	Lurasidone Impurity: (3aR,4S,7R,7aS)-2-[[1R,2R]-2-[4-(1,2-benzisothiazol-3-yl)-piperazin-1-yl-methyl]-cyclohexyl methyl]tetrahydro-4,7-methano-2H-5-ene-isoindole-1,3-dione (Exodiene Lurasidone)		n/a
ACI 124018	Lurasidone Impurity: (3aR,4S,7R,7aS)-2-[[1R,2R]-2-[4-(1,2-benzisothiazol-3-yl)-piperazin-1-yl-methyl]-cyclohexyl methyl]hexahydro-4,7-methano-2H-isoindole-1,3-dione (Transdiene Lurasidone)		n/a
ACI 124021	Lurasidone Impurity: (3aR,4S,7R,7aS)-2-[[1R,2S-rel]-2-[4-(1,2-benzisothiazol-3-yl)-piperazin-1-yl-methyl]-cyclohexyl methyl]hexahydro-4,7-methano-2H-isoindole-1,3-dione hydrochloride		139563-25-0
ACI 124022	Lurasidone Impurity: (3aR,4S,7R,7aS)-2-[(1S,2S)-2-[4-(1,2-benzisothiazol-3-yl)-piperazin-1-yl-methyl]-cyclohexyl methyl]hexahydro-4,7-methano-2H-isoindole-1,3-dione hydrochloride		139563-18-1
Methylprednisolone Acetate			
ACI 135010	Methylprednisolone acetate 6β-Methyl Prednisolone 21-Acetate		1048031-82-8

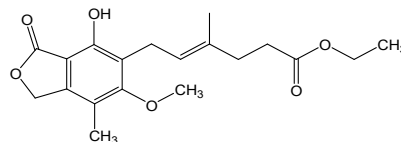
Code	Product Name	Structure	CAS No.
Methylprednisolone			
ACI 132701	Methylprednisolone Imp. A (EP): 17,21-dihydroxy-6 α -methylpregna-1,4-diene-3,11,20-trione		91523-05-6
ACI 132702	Methylprednisolone Imp. B (EP): 11 β , 17, 21, 21-tetrahydroxy-6 α -methylpregna-1,4-diene-3,20-dione		n/a
ACI 132703	Methylprednisolone Imp. C (EP): 11 β -hydroxy-6 α -methylandrosta-1,4-diene-3,17-dione		61919-52-6
ACI 132706	Methylprednisolone Imp. F (EP): 11 β ,17,21-trihydroxy-6 α -methylpregn-4-ene-3,20-dione [6 α -Methyl Hydrocortisone]		1625-39-4
ACI 132708	Methylprednisolone Imp. H (EP): 6 β -Methylprednisolone		18462-27-6
ACI 132722	Methylprednisolone Imp. :Bis-(6alpha-Methylprednisolone) 21,21'-Ether(Methylprednisolone dimer RRT 2.75)		n/a
ACI 132723	Methylprednisolone Impurity: 11 β , 11,21-dihydroxy-6 α -methyl-pregna-,4,16-triene-3,20-dione		n/a

Code	Product Name	Structure	CAS No.
Mupirocin Calcium			
ACI 135702	Mupirocin calcium Imp. B (EP): 9-[[[(2E)-4-[(2S,3R,4R,5S)-3,4-dihydroxy-5-[(2E,4R,5S)-5-hydroxy-4-methylhex-2-enyl]tetrahydro-2H-pyran-2-yl]-3-methylbut-2-enyl]oxy]nonanoic acid (Pseudomonic acid C),		71980-98-8
ACI 135703	Mupirocin calcium Imp. C (EP): (4E)-9-[[[(2E)-4-[(2S,3R,4R,5S)-3,4-dihydroxy-5-[(2S,3S)-3-[(1S,2S)-2-hydroxy-1-methylpropyl]oxiranyl]methyl]-tetrahydro-2H-pyran-2-yl]-3-methylbut-2-enyl]oxy]-non-4-enoic acid		85248-93-7
ACI 135704	Mupirocin calcium Imp. D (EP) as sodium salt: 9-[[[(2E)-4-[(2R,3aS,6S,7S)-2-[(2S,3S)-1,3-dihydroxy-2-methylbutyl]-7-hydroxyhexahydro-4H-furo[3,2-c]pyran-6-yl]-3-methylbut-2-enyl]oxy]nonanoic acid sodium		116182-43-5
ACI 135705	Mupirocin calcium Imp. E (EP) as sodium salt: 9-[[[(2E)-4-[(2R,3RS,4aS,7S,8S,8aR)-3,8-dihydroxy-2-[(1S,2S)-2-hydroxy-1-methylpropyl]hexahydro-2H,5H-pyrano[4,3-b]pyran-7-yl]-3-methylbut-2-enyl]oxy]nonanoic acid sodium		116182-44-6
ACI 135706	Mupirocin calcium Imp. F (EP): 7-[[[(2E)-4-[(2S,3R,4R,5S)-3,4-dihydroxy-5-[(2S,3S)-3-[(1S,2S)-2-hydroxy-1-methylpropyl]oxiranyl]methyl]tetrahydro-2H-pyran-2-yl]-3-methylbut-2-enyl]oxy]heptanoic acid		167842-64-0
ACI 135721	Mupirocin calcium Impurity: [2E,8[2S,3S(1S,2S)]]-5,9-anhydro-2,3,4,8-tetradecoxy-8-[[[3-(2-hydroxy-1-methylpropyl)oxiranyl]methyl]-3-methyl-L-talo-Non-2-enonic acid 10-carboxydecyl ester (Pseudomonic Acid E)		n/a

Code	Product Name	Structure	CAS No.
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Mycophenolate Mofetil

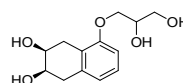
ACI 130216 **Mycophenolate Mofetil Impurity:**
Ethyl (E)-6-(4-hydroxy-6-methoxy-7-methyl-3-oxo-1H-2-benzofuran-5-yl)-4-methylhex-4-enoate



32483-51-5

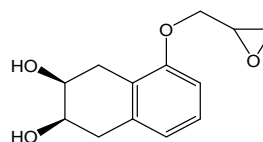
Nadolol

ACI 143301 Nadolol Impur.A (EP)3-Deesterbutylamino-3-hydroxy Nadolol



n/a

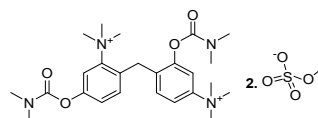
ACI 143311 **Nadolol Impurity:** (2S,3R)-5-(oxiran-2-ylmethoxy)-1,2,3,4-tetrahydronaphthalene-2,3-diol
(Nadolol Diol Impurity)



n/a

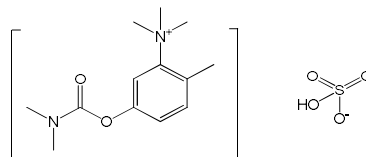
Neostigmine Hydrochloride

ACI 143404 **Neostigmine Impurity:** 5-((dimethylcarbamoyloxy)-2-(2-((dimethylcarbamoyloxy)-4-(trimethylammonio)benzyl)-N,N,N-trimethylbenzenaminium methyl sulphate



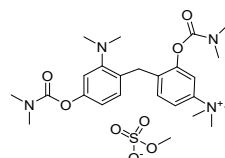
n/a

ACI 143405 **Neostigmine Impurity:** 5-((dimethylcarbamoyloxy)-N,N,N,2-tetramethylbenzenaminium hydrogen sulfate
(Methylnestigmine bromide Hydrogen sulfate)

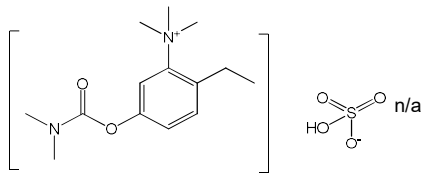
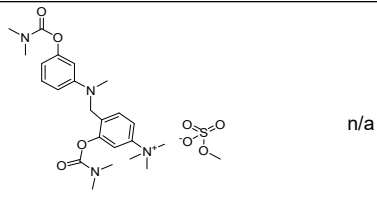
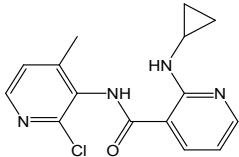
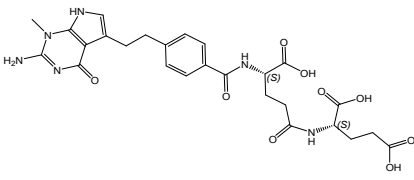
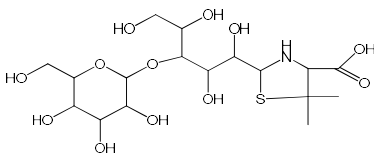
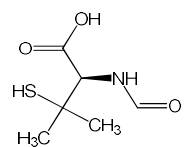
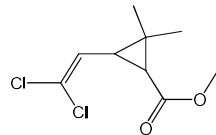


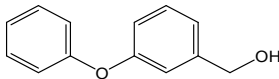
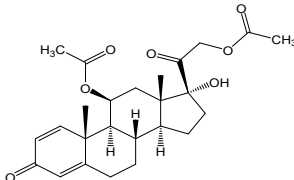
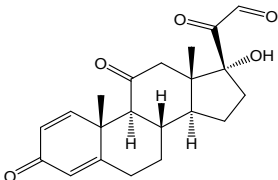
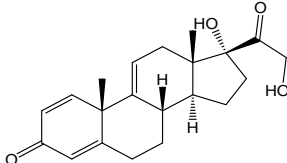
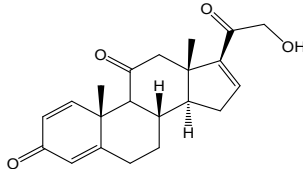
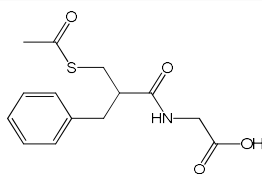
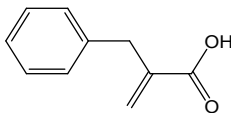
n/a

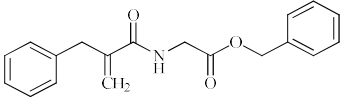
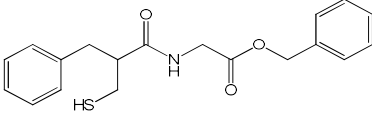
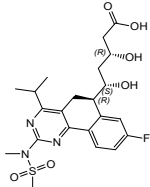
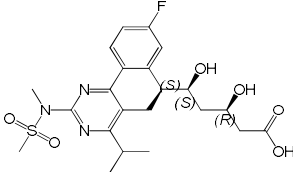
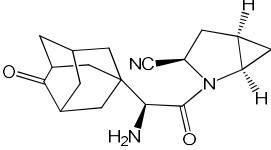
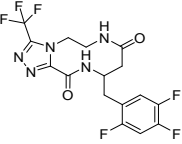
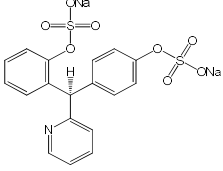
ACI 143406 **Neostigmine Impurity:** 4-(2-(dimethylammonio)-4-((dimethylcarbamoyloxy)benzyl)-3-((dimethylcarbamoyloxy)-N,N,N-trimethylbenzenaminium methyl sulphate



n/a

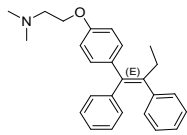
Code	Product Name	Structure	CAS No.
ACI 143407	Neostigmine Impurity: 5-((dimethylcarbamoyloxy)-2-ethyl-N,N,N-trimethylbenzenaminium hydrogen sulfate (Ethylneostigmine bromide-hydrogen sulfate)		n/a
ACI 143408	Neostigmine Impurity: 3-((dimethylcarbamoyloxy)-4-(((3-((dimethylcarbamoyloxy)phenyl)(methyl)amino)methyl)-N,N,N-trimethylbenzenaminium methyl sulphate.		n/a
Nevirapine			
ACI 141011	Nevirapine Impurity: N-(2-chloro-4-methyl-3-pyridyl)-2-(cyclopropylamino)-3-pyridine carboxamide		133627-47-1
Pemetrexed Glutamide			
ACI 160812	Pemetrexed Impurity: {4-[2-(2-Amino-1-methyl-4-oxo-4,7-dihydro-1H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl] benzoyl}-4-L-glutamyl-L-glutamic acid (Pemetrexed Glutamide Impurity)		N/A
Penicillamine			
ACI 167103	Penicillamine impurity: [5,5-dimethyl-2-(1,2,4,5-tetrahydroxy-3-((2S,3R,4S,5R,,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yloxy)pentyl)thiazolidine-4-carboxylic acid. (Penicillamine lactose adduct)		139614-14-5
ACI 167104	Penicillamine impurity: N-Formyl-3-mercaptovaline (Formyl Penicillamine)		13833-89-1
Permethrin			
ACI 167002	Permethrin (25:75) Imp. B (EP): Methyl (1RS,2RS)-2-(2,2-dichloroethenyl)-3,3-dimethylcyclopropane-1-carboxylate		n/a

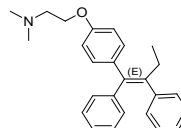
Code	Product Name	Structure	CAS No.
ACI 167003	Permethrin (25:75) Imp. C (EP): (3-phenoxyphenyl) methanol		13826-35-2
Prednisolone Acetate			
ACI 166803	Prednisolone acetate Imp. C(EP): 17-hydroxy-3,20-dioxopregna-1,4-diene-11 β ,21-diyl diacetate (Prednisolone 11,21-diacetate)		98523-85-4
Prednisone			
ACI 162712	Prednisone Impurity: Prednisone 21-Aldehyde and 17,21,21-Trihydroxy-pregna-1,4-diene-3,11,20-trione (Mixture of aldehyde and water adduct form)		70522-55-3
ACI 162713	Prednisone Impurity: 17,21-Dihydroxypregna-1,4,9(11)-triene-3,20-dione (Deltacortinene)		10184-69-7
ACI 162714	Prednisone Impurity: 21-Hydroxypregna-1,4,16-triene-3,11,20-trione		102447-86-9
Racecadotril			
ACI 180403	Racecadotril Imp .C (EP): [[(2RS)-2-[(acetylsulfanyl)methyl]-3-phenylpropanoyl]amino]acetic acid		124735-06-4
ACI 180405	Racecadotril Imp. E (EP): 2-benzylprop-2-enoic acid (2-benzylacrylic acid)		5669-19-2

Code	Product Name	Structure	CAS No.
ACI 180406	Racecadotril Imp .F (EP): Benzyl [(2-benzylprop-2-enoyl)amino]acetate		87428-99-7
ACI 180407	Racecadotril Imp .G (EP): Benzyl [(2RS)-2-benzyl-3-sulfanylpropanoyl]amino]acetate		81110-69-2
Rosuvastatin			
ACI 180614	Rosuvastatin Impurity: (3R,5S)-5-((R)-8-Fluoro-4-isopropyl-2-(N--methylmethylsulphonamido)-5,6-dihydrobenzo[h]quinazolin-6-yl)-3,5-dihydroxypentanonic acid		854898-48-9
ACI 180615	Rosuvastatin Impurity: (3R,5S)-5-((S)-8-Fluoro-4-isopropyl-2-(N--methylmethylsulphonamido)-5,6-dihydrobenzo[h]quinazolin-6-yl)-3,5-dihydroxypentanonic acid (Rosuvastatin (6S)-isomer)		854898-53-6
Saxagliptin			
ACI 192812	Saxagliptin Impurity: Saxagliptin Keto Impurity		n/a
Sitagliptin Phosphate			
ACI 191410	Sitagliptin Triazecine Analog: 10-(2,4,5-Trifluorobenzyl)-3-(trifluoromethyl)-6,7,10,11-tetrahydro-[1,2,4]triazolo[3,4-c][1,4,7]triazecine-8,12(5H,9H)-dione		n/a
Sodium Picosulfate			
ACI 191303	Sodiun Picosulfate Imp.C (EP): 2-[(RS)-(pyridin-2-yl)[4-(sulfonatooxy)phenyl]methyl]phenyl disodium sulfate		n/a

Code	Product Name	Structure	CAS No.
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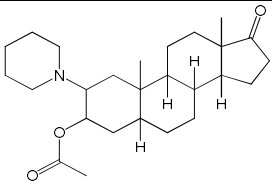
Tamoxifen Citrate

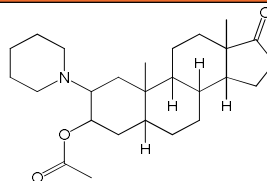
ACI 202801	Tamoxifen citrate Imp.A (EP): 2-[4-[(E)-1,2-Diphenylbut-1-enyl]phenoxy]-N,N-dimethylethanamine		13002-65-8
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13002-65-8

Vecuronium Bromide

ACI 221106	Vecuronium bromide Imp .F (EP): 2β-(piperidin-1-yl)-17-oxo-5α-androstan-3α-yl acetate		18668-29-6
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18668-29-6



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