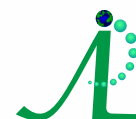


LIST OF INTERMEDIATES

API Name	Chemical Name	CAS No.
Amlodipine Besylate	Ethyl-4-[-2(phthalimido) ethoxy] acetoacetate	88150-75-8
	(4-(2-Chlorophenyl)-3-ethoxycarbonyl-5-methoxycarbonyl-6-methyl-2-(phthalimidoethoxy) methyl-1,4 dihydropyridine)	88150-62-3
	((2-(2-Amino-ethoxymethyl)-4-(2-chloro-phenyl)-6-methyl-1, 4-dihydropyridine-3, 5-dicarboxylic acid 3-ethyl ester 5-methyl ester)	88150-47-4
	2-Chloro Phenyl Glycine Methyl Ester Tartrate	141109-15-1
Clopidogrel Bisulfate	(S+(2-chlorophenyl) 2-(Thiophene-2-yl ethyl amino) acetic acid methyl ester Hydro chloride	141109-19-5
Losartan	2-Butyl-4-chloro-5-formylimidazole	83857-96-9
	(2-butyl-4-chloro-1-[[2'-(2H-tetrazol-5-yl)biphenyl-4-yl]methyl]-1H-imidazol-5-yl)methanol	114798-26-4
Loratadine	3-[2-(3-Chlorophenyl)ethyl]-2-pyridinecarbonitrile	31255-57-9
	8-Chloro-5,6 dihydro(11H)-benzo[5,6] cyclohepta (1,2b) pyridine -11-one	31251-41-9
	(1-Methyl-4-piperidiny)[3-[2-(3-chlorophenyl)ethyl]pyridinyl]methanone hydrochloride	119770-60-4
	8-Chloro-6,11-dihydro-11-(1-methyl-4-piperidinylidene)-5H-benzo[5,6]cyclohepta[1,2-b]pyridine (Methyl Loratadine)	38092-89-6
Acyclovir	Diacetyl acyclovir	75128-73-3
	Diacetyl Guanine	3056-33-5
Tapentadol	(S)-3-(dimethylamino)-1-(3-methoxyphenyl)-2-methylpropan-1-one	850222-40-1
	(2S,3R)-1-(Dimethylamino)-3-(3-methoxyphenyl)-2-methylpentan-3-ol	809282-20-0
	2R,3R)-1-(DiMethylaMino)-3-(3-Methoxyphenyl)-2-Methylpentan-3-ol hydrochloride	175590-75-7
Dabigatran	Ethyl 3-(2-((4-cyanophenylamino)methyl)-1-methyl-N-(pyridin-2-yl)-1H-benzo[d]imidazole-5-carboxamido)propanoate	211915-84-3
	Ethyl 3-(2-(((4-carbamimidoylphenyl)amino) methyl)-1-methyl-N-(pyridin-2-yl)-1H-benzo[d]imidazole-5-carboxamido)propanoate	211914-50-0



LIST OF INTERMEDIATES

API Name	Chemical Name	CAS No.
Dabigatran	(Z)-ethyl 3-(2-(((4-(N'-((hexyloxy)carbonyl) carbamimidoyl)phenyl)amino)methyl)-1-methyl-N-(pyridin-2-yl)-1H-benzo[d]imidazole-5-carboxamido)propanoate	1381757-44-3
Apixaban	Ethyl 1-(4-methoxyphenyl)-7-oxo-6-(4-(2-oxopiperidin-1-yl)phenyl)-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylate	503614-91-3
Rivaroxaban	(S)-4-(4-(5-(Aminomethyl)-2-oxooxazolidin-3-yl)phenyl)morpholin-3-one	446292-10-0
Edoxaban Tosylate	tert-Butyl [(1R,2S,5S)-2-[[2-[(5-chloropyridin-2-yl)amino]-2-oxoacetyl]amino]-5-(dimethylaminocarbonyl)cyclohexyl] carbamate	480452-36-6
	N'-(5-chloropyridin-2-yl)-N-[(1S,2R,4S)-4-(dimethylcarbamoyl)-2-[(5-methyl-6,7-dihydro-4H-[1,3]thiazolo[5,4-c]pyridine-2-carbonyl)amino]cyclohexyl] oxamide	480449-70-5
Ticagrelor	2-(((3aR,4S,6R,6aS)-6-((5-amino-6-chloro-2-(propylthio)pyrimidin-4-yl)amino)-2,2-dimethyltetrahydro-3aH-cyclopenta[d][1,3] dioxol-4-yl)oxy)ethanol	220241-60-1
Nadolol	5,8-dihydro naphthol	27673-48-9
	5,6,7,8-Tetrahydronaphthol	529-35-1
	2,2-Dimethyl-3a,4,9,9a-tetrahydronaphtho[2,3-d][1,3] dioxol-5-ol	52187-19-6
Fimasartan	2-(2-N-butyl-4-hydroxy-6-methyl-pyrimidin-5-yl)-N,Ndimethylacetamide	1315478-13-7
	2-(2-butyl-4-methyl-6-oxo-1-((2'-(1-trityl-1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)methyl)-1,6-dihydropyrimidin-5-yl)-N,N-dimethylacetamide	503155-67-7
Capecitabine	2',3'-Di-O-acetyl-5'-deoxy-5-fuluro-D-cytidine	161599-46-8

LIST OF INTERMEDIATES

API Name	Chemical Name	CAS No.
Abacavir Sulfate	((1S,4R)-4-(2-Amino-6-chloro-9H-purine-9-yl) cyclopent-2-en-1-yl)-methanol	136522-33-3
	(({(1S,4R)-4-[2-amino-6-(cyclopropylamino)-9H-Purin-9-yl] cyclopent-2-en-1-yl} methanol)	136470-78-5
Darunavir	tert-butyl ((2S,3R)-3-hydroxy-4-(isobutylamino)-1-phenylbutan-2-yl)carbamate	160232-08-6
	(4-amino-N-((2R,3S)-3-amino-2-hydroxy-4-phenylbutyl)-N-isobutylbenzenesulfonamide)	169280-56-2
	tert-Butyl [(1S,2R)-1-benzyl-2-hydroxy-3-[isobutyl[(4-nitrophenyl)sulfonyl]amino]propyl]carbamate	191226-98-9
	N-((2R,3S)-3-amino-2-hydroxy-4-phenylbutyl)-N-isobutyl-4-nitrobenzenesulfonamide	251105-80-3
	tert-Butyl [(1S,2R)-3-[[[(4-aminophenyl)sulfonyl](isobutyl)amino]-1-benzyl-2-hydroxypropyl]carbamate	183004-94-6
Dolutegravir Sodium	(Ethyl-4-methoxy acetoacetate)	66762-68-3
	(6-(methoxycarbonyl)-1,4-dihydro-5-methoxy-1-(2,2-dimethoxy ethyl)-4-oxopyridine-3-carboxylic acid)	1335210-23-5
	(4R,12aS)-7-methoxy-4-methyl-6,8-dioxo-3,4,6,8,12,12a-hexahydro-2H-pyrido[1',2':4,5]pyrazino[2,1-b][1,3]oxazine-9-carboxylic acid	1335210-34-8
	((4R,12aS)-N-(2,4-difluorobenzyl)-7-hydroxy-4-methyl-6,8-dioxo-3,4,6,8,12,12a-hexahydro-2H-pyrido [1',2':4,5] pyrazino[2,1-b][1,3] oxazine-9-carboxamide)	1051375-16-6
Lopinavir	(2S,3S,5S)-2-Amino-3-hydroxy-5-(1-tetra hydro pyrimidin-2-yl)-3-methyl butanoyl amino-1,6-diphenyl hexane-5-pyrogultamate	192726-06-0
	(2S)-(1-Tetrahydropyrimidin-2-one)-3-methylbutanoic acid	192725-50-1
Ritonavir	N-(N-methyl)-N-((2-Isopropyl-4-Thiazolyl)methyl amine) Carbinol- L- valine	154212-61-0
	((Thiazol-5-yl) methyl (2S,3S,5S)-5-(tertiary butoxy carbonyl) amino-3- hydroxy-1,6-diphenylhexan-2-yl carbamate)	162849-95-8
	(2S,3S,5S)-5-tert-Butyloxycarbonylamino-2-amino-3-hydroxy-1, 6-diphenylhexane succinate	183388-64-9
Oseltamivir Phosphate	(1S,5R,6S)-Ethyl 5-(pentan-3-yl-oxy)-7-oxa-bicyclo[4.1.0] hept-3-ene-3-carboxylate	204254-96-6
	((3R,4R,5S)-ethyl 4-acetamido-5-azido-3(pentan-3-yloxy)cyclohex-1-enecarboxylate)	204255-06-1
	Ethyl (3R,4R,5S)-4-acetamido-5-amino-3-pentan-3-yloxy-cyclohexene-1-carboxylate	196618-13-0

LIST OF INTERMEDIATES

API Name	Chemical Name	CAS No.
Atazanavir Sulfate	((5S,6S)-5-hydroxy-1,8-dioxo-6-(phenyl methyl)-3-[[4-(2-pyridinyl)phenyl]methyl] -2,3,7 triaza octane dioic acid tertiary butyl ester)	229975-97-7
Favipiravir	2-Amino malonamide	62009-47-6
	Sodium 3-carbamoyl pyrazine-2-olate	1237524-82-1
	3-Hydroxypyrazine-2-carboxamide	55321-99-8
	6-Bromo-3-hydroxypyrazine-2-carboxamide	259793-88-9
	6-Fluoro-3-hydroxypyrazine-2-carbonitrile	356783-31-8
Efavirenz	((S)-2-(2-amino-5-chlorophenyl)-4-cyclopropyl-1,1,1-trifluorobut-3-yn-2-ol)	209414-27-7
Emtricitabine	((2R-cis)-4-Amino-5-fluoro-1-[2-(hydroxymethyl)-1,3-oxathiolan-5-yl]-2(1H)- pyrimidinone)	143491-57-0
Bictegravir	2,4,6-Trifluorobenzylamine	214759-21-4
	(2R,5S,13aR)-2,3,4,5,7,9,13,13a-octahydro-8-methoxy-7,9-dioxo-N-[(2,4,6-trifluorophenyl)methyl]-2,5-Methanopyrido [1',2':4,5]pyrazino[2,1-b][1,3]oxazepine-10-carboxamide	1616340-94-3
Tenofovir Disoproxil Fumarate	((R)-((((1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphoryl)bis(oxy))bis(methylene) diisopropyl dicarbonate))	202138-50-9
	(R)-9-(2-Phosphonyl methoxy propyl) adenine	206184-49-8 (147127-20-6)
Saquinavir Mesylate	(N-tert-butyl-2-(3-amino-2-hydroxy-4-phenylbutyl)-decahydro isoquinoline-4-carboxamide)	136522-17-3
Fosamprenavir	(Calcium(2R,3S)-1-[[[(4-aminophenyl)sulfonyl](2-methylpropyl) amino]-4-phenyl-3-[[[(3S)-tetrahydrofuran-3-yloxy]carbonyl] amino)butan-2-yl phosphate)	226700-81-8
Bedaquiline	3-Benzyl-6-bromo-2-methoxyquinoline	654655-69-3
	3-(Dimethylamino)-1-(Naphthalen-1-Yl)Propan-1-One Hydrochloride	5409-58-5