

API – Product List

Sr. No.	Product Name	Innovator Brand Name	Therapeutic Segment	DMF/ COS/ Technical Package Status
1.	Loratadine Process-1 (USP/EP)	Claritin	Anti-histaminic	USDMF, EDMF, CDMF
2.	Loratadine Process-2 (USP/EP)	Claritin	Anti-histaminic	USDMF, COS, JDMF, TDMF
3.	Desloratadine (ICH/EP)	Clarinex	Anti-histaminic	USDMF, EDMF, COS, TDMF
4.	Atorvastatin Calcium Crystalline Trihydrate (USP/EP/ICH/JP/IP)	Lipitor	Anti-hypercholesterolemic	USDMF, EDMF, COS, TDMF
5.	Atorvastatin Calcium Amorphous (USP/ICH)	Lipitor	Anti-hypercholesterolemic	DMF
7.	Montelukast Sodium Amorphous (USP/EP/ICH/JP/IP)	Singulair	Anti-asthmatic	USDMF, COS, CDMF & IDL China
9.	Fexofenadine Hydrochloride (USP/EP/JP/IP)	Allegra	Anti-histaminic	USDMF, EDMF, COS, JDMF Filed
10.	Rosuvastatin Calcium Crystalline (USP/EP/ICH/IP)	Crestor	Anti-hypercholesterolemic	USDMF, COS & TDMF
11.	Rosuvastatin Calcium amorphous (USP/EP/ICH/IP)	Crestor	Anti-hypercholesterolemic	EDMF, COS
12.	Sitagliptin Phosphate (USP/EP/ICH)	Januvia	Anti-diabetic	USDMF, TDMF, COS Filed
13.	Olmesartan Medoxomil (USP/EP/ICH/JP/IP)	Benicar	Anti-hypertensive	DMF
14.	Candesartan Cilexetil (USP/EP/ICH/JP/IP)	Atacand	Anti-Hypertensive	ODMF
15.	Saxagliptin Hydrochloride (ICH/IH)	Onglyza	Anti-diabetic	USDMF
16.	Linagliptin (ICH/IH)	Tradjenta	Anti-diabetic	DMF
17.	Voglibose (JP/IP)	Basen	Anti-diabetic	Tech Package
18.	Dapagliflozin Propanediol (ICH/IH)	Farxiga	Anti-diabetic	Tech Package
19.	Dapagliflozin Amorphous (ICH/IH)	Farxiga	Anti-diabetic	Tech Package

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20	Empagliflozin (ICH/IH)	Jardiance	Anti-diabetic	DMF.
21	Canagliflozin Hemihydrate (ICH/IH)	Invokana	Anti-diabetic	Tech Package.
22	Vildagliptin (ICH/IH)	Galvus	Anti-diabetic	Tech Package.
23	Alogliptin Benzoate (ICH/IH)	Nesina	Anti-diabetic	Tech Package
24	Rivaroxaban	Xarelto	Anti-coagulant	Tech Package.
25.	Rupatadine Fumarate	Rupafin	Antihistaminic	Tech Package.
26.	*Ursodeoxycholic Acid (UDCA)	Urso DS/Forte Actigall Delursan	Treat Primary Biliary Cirrhosis	Tech Package

Note: The above products are for R&D purpose only & not for commercial sale where the patents are applicable & still valid

*The drug Ursodeoxycholic acid (UDCA) is of animal origin and was first Identified in 1902 from polar bear bile by Hammarsten whereas UDCA was isolated and crystallised first time by Shoda in 1927. In 1936, its chemical structure was determined by Iwasaki at Okoyama Medical University. Several years later (1954) a chemist at Tokyo Institute of Technology, Kanazawa, described a Method of synthesising UDCA from cholic acid and Chenodeoxycholic acid. Three years later (1957), Tokyo Tanabe Pharmaceutical Company launched "Urso" in Japan as a choleric that could improve symptoms related to liver dysfunction and maldigestion. It was approved by USFDA in December 1987 to Allergen and it is marketed as Actigall by Allergen in US.

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API under Development

S. No.	Product	Innovator	Brand Name	Therapeutic Segment
1.	Apixaban	Bristol Meyers Squib	Eliquis	Anti-coagulant
2.	Edoxaban Tosylate	Daiichi Sankyo	Savaysa	Anti-coagulant
3.	Elagolix Sodium	Abbvie	Orilissa	GnRH Antagonist
4.	Ertugliflozin	Pfizer / Merck	Steglatro	Anti-diabetic
5.	Dabigatran Etxilate	Boehringer Ingelheim	Pradaxa	Antithrombotic
6.	Febuxostat	Teijin	Ulorec	Anti-Gout
7.	Ivacaftor	Vertex Pharma	Kalydeco	Transmembrane conductance regulator
8.	Vortioxetine Hydrobromide	Takeda Pharma.	Trintellix	Anti-Depressant
9.	Suvorexant	Merck	Belsomra	Anti-Depressant
10.	Brexiprazole	Otsuka Pharma	Rexulti	Anti-Depressant
11.	Vonaprazan Fumarate	Takeda Pharma	Takecab	Anti-Ulcerative
12.	Topiroxostat	Sanwa Kagaku Kenkyusho	Topiloric, Uriadec	Anti-Gout
13.	Varenicline Tartarate	Pfizer	Chantix, Champix	For Treatment of Nicotine Addiction
14.	Tofogliflozin	Chugai Pharma / Kowa / Sanofi	CSG452 (Code Name)	Anti-Diabetic

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Intermediate List

S. No.	Product	Chemical Name of Intermediate	Intermediate Code	CAS No.
1	Loratadine	2-Cyano-3-(3-chlorophenethyl)pyridine	L5	31255-57-9
		8-Chloro-10, 11-dihydro-4-aza-5H-dibenzo (a, d) cycloheptan-5-one	L7	31251-41-9
		11-(N-Methyl-4-piperidiny)-8-chloro-11-hydroxy- 6, 11-dihydro-5H-benzo(5,6)cyclohepta (1,2-b) pyridine	L8	38089-93-9
		(1-Methyl-4-piperidiny)[3-(2-3-chlorophenyl)ethyl-2-pyridiny] methanone hydrochloride	LN8	119770-60-4
		11-(N-Methyl-4-piperidinydene)-8-chloro-6, 11-dihydro-5H-benzo(5,6)cyclohepta (1,2-b) pyridine	L9 / LH9	38092-89-6
2	Atorvastatin Calcium	(4R-Cis)-1,1-Dimethylethyl-6-[2-[2-(4-Fluorophenyl)-5-(1-Isopropyl)-3-phenyl-4-[(Phenylamino)carbonyl]1H-pyrrol-1-yl]Ethyl]-2,2-Dimethyl-1,3-Dioxane-4-Acetate	AT-8	125971-95-1
3	Montelukast Sodium	(1-mercaptomethyl) cyclopropane methyl acetate	MTS05	152922-73-1
		[(R)-(E)-1-[[[1-[3-[2-(7-chloro-2-quinolinyl) ethenyl] phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl] propyl]thio] methyl] Cyclopropane acetic acid dicyclohexylamine salt or Montelukast Dicyclohexylamine Salt	MTN12	577953-88-9
4	Fexofenadine Hydrochloride	2-(4-(4-(4-(hydroxydiphenylmethyl)-1-piperidiny)-1-oxobutyl)phenyl)-2,2-dimethylacetic acid methyl ester	D10 or FD3	154477-55-1
		α,α -Dimethyl-4-[1-hydroxy-4-[4-(hydroxydiphenylmethyl)-1-piperidiny]butyl] Benzene acetic acid (Fexofenadine Base)	D12	83799-24-0
5	Rosuvastatin Calcium	4-(4-Fluorophenyl)-6-isopropyl-2-[(N-methyl-N-methyl sulfonyl) amino]pyrimidinyl-5-yl-carbaldehyde	RT08	147118-37-4
		N-[4-(4-fluorophenyl)-5-(bromo methyl)-6-(isopropyl pyrimidin-2-yl)-N-methyl methane sulfonamide triphenylphosphonium salt	RTN09	885477-83-8
		tert-butyl-2-((4R,6S)-6-((E)-2-(4-(4-fluorophenyl)-6-isopropyl-2-(N-methyl methylsulphonamido)pyrimidin-5-yl) vinyl)-2,2-dimethyl-1,3-dioxan-4-yl)acetate	RT10	289042-12-2
		tert-Butyl-(6E)-7-[4-(4-fluorophenyl)-6-isopropyl-2-[methyl(methylsulfonyl) amino]pyrimidin-5-yl]-(3R,5S)-3,5-dihydroxyhept-6-enoate	RT11	355806-00-7

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S. No.	Product	Chemical Name of Intermediate	Intermediate Code	CAS No.
6.	Sitagliptin Phosphate	(R)-tert-butyl(4-oxo-4-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-1-(2,4,5-trifluorophenyl)butan-2-yl)carbamate	SG05	486460-23-5
		(R)-3-Amino-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)butan-1-one	SG06/SGN06	486460-32-6
		(R)-3-amino-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)butan-1-one mandelate	SG06M/SGN06M	1240038-86-1
		(2Z)-4-Oxo-4-[3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl]-1-(2,4,5-trifluorophenyl)butan-2-one	SGN04	764667-65-4
		(2Z)-4-Oxo-4-[3-(trifluoromethyl)-5,6-dihydro[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl]-1-(2,4,5-trifluorophenyl)but-2-en-2-amine	SGN05	767340-03-4
7.	Olmesartan Medoxomil	(5-methyl-2-oxo-1,3-dioxol-4-yl)methyl-5-(2-hydroxypropan-2-yl)-2-propyl-3-[[4-[2-(1-trityltetrazol-5-yl)phenyl]phenyl]methyl]imidazole-4-carboxylate	OL04	144690-92-6
8.	Saxagliptin Hydrochloride	N-Boc-3-hydroxy adamantyl glycine-L-cis-4,5-methanoprolineamide	SX01	361442-01-5
		N-Boc-(S)-3-hydroxyadamantyl glycine -L-cis -4,5-methanoproline nitrile	SX04	709031-43-6
		(S)-3-Hydroxyadamantyl glycine -L-cis -4,5-methanoproline nitrile	SX05	945667-22-1
9.	Linagliptin	1-[(4-Methylquinazolin-2-yl)methyl]-3-methyl-7-(2-butyn-1-yl)-8-bromoxanthine	LG02	853029-57-9
		8-[(3R)-3-Boc-aminopiperidin-1-yl]-7-(but-2-yn-1-yl)-3-methyl-1-[(4-methylquinazolin-2-yl)methyl]-3,7-dihydro-1H-purine-2,6-dione	LG03	668273-75-4
10.	Dapagliflozin Propanediol	Methyl-1-C-[4-chloro-3-[(4-ethoxyphenyl)methyl]phenyl]-D-Glucopyranoside	DP02	461432-24-6
		(2R,3R,4R,5S,6S)-2-(Acetoxymethyl)-6-[4-chloro-3-(4-ethoxybenzyl)phenyl]tetrahydro-2H-pyran-3,4,5-triyl triacetate	DP04	461432-25-7

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11	Canagliflozin Hemihydrate	(1S)-1,5-anhydro-1-C-[3-[[5-(4-fluorophenyl)-2-thienyl]methyl]-4-methylphenyl]-, 2,3,4,6-tetraacetate-D-Glucitol	CG04	866607-35-4
12	Empagliflozin	(2S,3R,4R,5S,6R)-2-[4-chloro-3-[[4-[(3S)-oxolan-3-yl]oxyphenyl] methyl] phenyl]-6-(acetoxymethyl) oxane-3,4,5- triyl triacetate	EG04	915095-99-7
13	Ursodeoxycholic acid	7-Ketolithocholic acid (KLCA)	UD04	145163-97-9
14.	Apixaban	5,6-Dihydro-3-(4-morpholinyl)-1-[4-(2-oxo-1-piperidinyl) phenyl]-2(1H)-pyridinone	AX02	545445-44-1
		Ethyl 1-(4-methoxyphenyl)-7-oxo-6-[4-(2-oxo-1-piperidin-1-yl)phenyl]-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylate	AX04	1074365-84-6
15.	Rivaroxaban	2-[[5S]-2-Oxo-3-[4-(3-Oxomorpholin-4-yl)phenyl]-1,3-oxazolidin-5-yl]methyl]-1H-isoindole-1,3(2H)-dione	RV03	446292-08-6
		4-{4-[(5S)-5-(Aminomethyl)-2-oxo-1,3-oxazolidin-3-yl] phenyl}morpholin-3-one Hydrochloride	RV05	898543-06-1

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