

## LIST OF PEPTIDE API



Molecules*	Therapeutic class	Stage	Commercial For
Leuprolide AcetateUSP	GnRH agonist and an antineoplastic agent	Commercial	RoW
Octreotide Acetate USP	Treatment of Acromegaly and Carcinoid Tumors	Commercial	RoW
Ganirelix Acetate	GnRH antagonist	Commercial	RoW
Triptorelin Pamoate/Acetate	GnRH agonist and an antineoplastic agent	Commercial	RoW
Cetorelix Acetate	GnRH antagonist and an antineoplastic agent	Commercial	RoW
Degarelix Acetate	GnRH antagonist and an antineoplastic agent	Commercial	RoW
Goserelin acetate	GnRH antagonist and an antineoplastic agent	Commercial	RoW
Sincalide	Secretagogues	Under Development	—
Desmopressin	Anti-diuretic Hormone	Commercial	RoW
Exenatide	Antidiabetic GLP1 receptor agonist	Commercial	RoW
Liraglutide	Type II anti-Diabetic	Under Development	—
Carfilzomib	Anticancer	Development completed, Tech transferred	—
Linaclotide	Constipation treatment	Under Development	—
Vasopressin	Antidiuretic hormone	Commercial	RoW
Plecanatide	Constipation treatment	Under Development	—
Abaloparatide	Osteoporosis treatment	Under Development	—
Semaglutide	Type II anti-Diabetic	Under Development	—
Teriparatide	Treatment of osteoporosis	Commercial	RoW
Lanreotide Acetate	Treatment of Acromegaly	Under Development	—
Setmelanotide	Chronic weight management	Under Development	—
Tirzepatide	Type II anti-Diabetic	Under Development	—
Terlipressin Acetate	Vasopressin agonist	Commercial	RoW
Carbetocin	Uterotonic Agent	Commercial	RoW
Felypressin	Anti-diuretic Hormone	Under Development	—
Buserelin	Anti-cancer	Under Development	—
Atosiban	Halt premature labor	Commercial	RoW

\* Developed for US/Eu/RoW markets.



## LIST OF SEMI-SYNTHETIC API

Molecules*	Therapeutic class	Stage	Commercial For
Micafungin Sodium	Antifungal	Commercial	RoW
Anidulafungin	Antifungal	Commercial	RoW
Everolimus	Immunosuppressant	Pilot Scale completed	—
Dalbavancin	Antibacterial	Under Development	—
Obeticholic acid	Treatment of Primary Biliary Cholangitis	Pilot Scale completed	—
Midostaurin	Anticancer	Pilot Scale completed	—
Sarecycline	Antibiotic	Pilot Scale completed	—
Omadacycline	Antibiotic	Under Development	—
Voclosporine	Treatment of Lupus nephritis	Under Development	—
Ibrexafungerp Citrate	Anti Fungal	Under Development	—
Rezafungin Acetate	Anti Fungal	Under Development	—

\* Developed for US/Eu/RoW markets.

## LIST OF OLIGONUCLEOTIDES

Molecules*	Therapeutic class	Stage	Commercial For
Nusinersen	Treatment of spinal muscular atrophy (SMA)	Under Planning	—
Patisiran	Treatment of polyneuropathy of hereditary transthyretin-mediated amyloidosis in adults	Under Planning	—

\* For Development for US/Eu/RoW markets.

## LIST OF RECOMBINANT PEPTIDES

Molecules*	Therapeutic class	Stage	Commercial For
Semaglutide	Type II anti-Diabetic	Under planning	—
Liraglutide	Type II anti-Diabetic	Under planning	—

\* For Development for US/Eu/RoW markets.

## LIST OF SYNTHETIC API



Molecules*	Therapeutic class	Stage	Commercial For
Mebendazole, Form A	Anthelmintic	Commercial	RoW
Bedaquiline	Antituberculosis	Commercial	RoW
Sugammadex Sodium	Reversal of neuromuscular blocker	Patent Out-licensed	—
Isavuconazonium sulfate	Antifungal	Pilot Scale completed	—
Remdesivir	Antiviral	Pilot Scale completed	—
Nitisinone	Hydroxy-phenylpyruvate dioxygenase inhibitor	Pilot Scale completed	—
Saroglitazar Mg	Antidiabetic	Under development	—
Deutetrabenazine	Vesicular monoamine transporter 2 (VMAT2) inhibitors	Under development	—
Rufinamide	Anti-epileptic	Under development	—
Selexipag	Prostacyclin receptor agonist	Under development	—
Vismodegib	Hedgehog pathway inhibitor	Under development	—
Baricitinib	Janus kinase (JAK) inhibitor	Under development	—
Apremilast	Anti-psoriatic	Under development	—
Brexanolone	Antidepressant	Under development	—
Brivaracetam	Anti-epileptic	Under development	—
Molnupiravir	Anti-viral	Under Development	—
Tetrabenazine	Vesicular monoamine transporter 2 (VMAT) inhibitor	Under Development	—
SNAC	Oral peptide absorption promoter	Under Development	—
Empagliflozin	Antidiabetic	Under development	—
Dapagliflozin	Antidiabetic	Under Development	—
Canagliflozin	Antidiabetic	Under Development	—
Pirfenidone	Idiopathic pulmonary fibrosis	Under Development	—
Midodrine	Vasoconstrictor, anti-hypotensive	Under Development	—
Crisaborole	Anti-dermatitis	Under Development	—
Fulvestrant	Antineoplastic agent	Under Development	—
Nintedanib Mesylate	Anti-fibrosis	Under Development	—

\* Developed for US/Eu/RoW markets.



Molecules*	Therapeutic class	Stage	Commercial For
Erdafitinib	Anticancer	Under Development	—
Isosulfan Blue	Adjunct to lymphography	Under Development	—
Vonoprazan	Potassium-competitive acid blocker (PCAB) for reducing acid secretion	Under development	—
Pretomanid	Antimycobacterial	Under development	—
Delamanid	Antimycobacterial	Under Development	—
Venetoclax	Anticancer	Under Development	—
Ribociclib	Kinase inhibitor	Under Development	—
Tedizolid	Oxazolidinone antibiotics	Under Development	—
Alogliptin	Oral anti-diabetic drug	Under development	—
Bempedoic acid	Hypercholesterolemia treatment	Under development	—
Tavaborole	Antifungal agent	Under development	—
Vortioxetine	Antidepressant	Under development	—
Lifitegrast	Dry eye treatment	Dev to be initiated	—
Binimetinib	Anticancer	Dev to be initiated	—
Lumacaftor	Treatment of cystic fibrosis	Under development	—
Sotorasib	Anti-cancer	Under development	—

\* Developed for US/Eu/RoW markets.

## Liquid Injectables.

- Carbetocin injection 100 micrograms/mL in glass vials.
- Brexanolone injection, 100 mg brexanolone in 20 mL (5 mg/mL) aq. Solution.
- Sugammadex injection 200 mg/2 mL (100 mg/mL) and 500 mg/5 mL (100 mg/mL) in a single-dose vial.
- Ganirelix Acetate injection in 1 mL prefilled glass syringes containing 250 mcg/0.5 mL as aqueous solution.



## Lyophilized Injections.

- Cetrorelix Acetate for injection: 0.25 mg cetrorelix/vial.
- Micafungin for injection, 50 mg micafungin (equivalent to 50.86 mg micafungin sodium) or 100 mg micafungin (equivalent to 101.73 mg micafungin sodium).
- Anidulafungin for injection, 50mg & 100mg/vial.
- Degarelix for injection 120 mg of degarelix (equivalent to the median value of 126 mg degarelix acetate) and 80mg (equivalent to the median value of 84 mg degarelix acetate).



## Solid Orals tablets/ capsules.

- Sarecycline film coated tablets, 60 mg, 100 mg, and 150 mg.
- Saroglitazar Calcium tablets 2mg and 4mg.
- Everolimus tablet 0.25mg.



## Complex Generics (Oral Peptides).

- Semaglutide Tablets 3 mg, 7 mg, 14 mg.
- Linaclotide Hard Gelatin Capsule, 72 mcg, 145 mcg and 290 mcg.
- Plecanatide Tablets 3mg.



## Complex Novel Injectables.

- Triptorelin Acetate Microgranules injectable suspension 3.75mg per vial every 4week, 11.25 mg per vial every 12 weeks; 22.5 mg per vial for every 24 weeks.
- Leuprolide Acetate for depot suspension (lyophilized microspheres), 3.75 mg (1M), 7.5 mg (1M), 22.5 mg (3M), 30 mg (4M), and 45 mg (6M) per vial for injection.
- Octreotide Acetate lyophilized microspheres for injectable suspension, 10 mg, 20 mg or 30 mg per vial strength.



# LIST OF INTERMEDIATES



Name of the Intermediate	Structure of the compound	CAS Number	Name of API	Status
2-((6-chloro-3-methyl-2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)methyl)benzonitrile		865758-96-9	Alogliptin	Scale up
(R)-tert-butyl (1-(3-(2-cyanobenzyl)-1-methyl-2,6-dioxo-1,2,3,6-tetrahydropyrimidin-4-yl)piperidin-3-yl)carbamate		1246610-74-1	Alogliptin	Scale up
5-amino-3-(trifluoromethyl)picolinonitrile		573762-62-6	Apalutamide	R & D
4-amino-2-fluoro-N-methylbenzamide		915087-25-1	Apalutamide	R & D
4-((1-cyanocyclobutyl)amino)-2-fluoro-N-methylbenzamide		915087-26-2	Apalutamide	R & D
N-(1,3-dioxo-1,3-dihydroisobenzofuran-4-yl)		6296-53-3	Apremilast	Commercial
2-(3-ethoxy-4-methoxyphenyl)-1-(methylsulfonyl)eth-2-ylamine		253168-94-4	Apremilast	Commercial
(S)-1-(3-ethoxy-4-methoxyphenyl)-2-(methylsulfonyl)ethanamine		608141-42-0	Apremilast	Commercial
4''-(pentyloxy)-[1,1':4',1''-terphenyl]-4-carboxylic acid		158938-08-0	Anidulafungin	Commercial
tert-butyl 4-chloro-7H-pyrrolo[2,3-d]pyrimidine-7-carboxylate		1236033-21-8	Baricitinib	Scale-up
3-Azetidineacetonitrile, 1-(ethylsulfonyl)-3-[4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrazol-1-yl]-		1919837-50-5	Baricitinib	Scale-up
3-benzyl-6-bromo-2-methoxyquinoline		654655-69-3	Bedaquiline	Commercial
3-(dimethylamino)-1-(naphthalen-1-yl)propan-1-one hydrochloride		5409-58-5	Bedaquiline	Commercial
(1R,2S)-1-(6-bromo-2-methoxyquinolin-3-yl)-4-(dimethylamino)-2-(naphthalen-1-yl)-1-phenylbutan-2-ol		843663-66-1	Bedaquiline	Commercial
N-(4-Bromophenyl)-benzenepropanamide		316146-27-7	Bedaquiline	Commercial
Ethyl 7-bromo-2,2-dimethylheptanoate		123469-92-1	Bempedoic acid	Development
Diethyl 8-isocyano-2,2,14,14-tetramethyl-8-tosylpentadecanedioate		738606-44-5	Bempedoic acid	Development
2,2,14,14-Tetramethyl-8-oxopentadecanedioic acid diethyl ester		738606-43-4	Bempedoic acid	Development
2,2,14,14-Tetramethyl-8-oxopentadecanedioic acid		413624-71-2	Bempedoic acid	Development



Name of the Intermediate	Structure of the compound	CAS Number	Name of API	Status
Methyl 4-amino-2,3-difluoro-5-nitrobenzoate		284030-58-6	Binimetinib	Commercial
Methyl 4-amino-3-fluoro-2-((2-fluorophenyl)amino)-5-nitrobenzoate		606143-94-6	Binimetinib	Commercial
5-((4-bromo-2-fluorophenyl)amino)-4-fluoro-1H-benzo[d]imidazole-6-carboxylate		606143-48-0	Binimetinib	Commercial
Methyl 5-((4-bromo-2-fluorophenyl)amino)-4-fluoro-1-methyl-1H-benzo[d]imidazole-6-carboxylate		1415559-93-1	Binimetinib	Commercial
O-(2-tert-butoxy-ethyl)-hydroxylamine		1023742-13-3	Binimetinib	Commercial
O-(2-vinylxyethyl)-hydroxylamine		391212-29-6	Binimetinib	Commercial
Isopregnanolone		516-55-2	Brexanolone	Scale up
4-NO <sub>2</sub> Bz-allopregnanolone		Not Available	Brexanolone	Scale up
1-(benzo[b]thiophen-4-yl)piperazine hydrochloride		913614-18-3	Brexpiperazole	Scale up
7-(4-chlorobutoxy)quinolin-2(1H)-one		913613-82-8	Brexpiperazole	Scale up
2-(5-bromo-2-methylbenzyl)-5-(4-fluorophenyl)thiophene		1030825-20-7	Canagliflozin	Commercial
(3R,4S,5S,6R)-2-(3-((5-(4-fluorophenyl)thiophen-2-yl)methyl)-4-methylphenyl)-6-(hydroxymethyl)-2-methoxytetrahydro-2H-pyran-3,4,5-triol		1030825-21-8	Canagliflozin	Commercial
(2S,3R,4R,5S,6R)-2-(3-([5-(4-fluorophenyl)thiophen-2-yl]methyl)-4-methylphenyl)-6-hydroxymethyl-tetrahydro-pyran-3,4,5-triol		842133-18-0	Canagliflozin	Commercial
(3R,4S,5R,6R)-3,4,5-tris(trimethylsilyloxy)-6-(((trimethylsilyloxy)methyl)tetrahydro-2H-pyran-2-one		32384-65-9	Canagliflozin Dapagliflozin Empagliflozin	Commercial
Ethyl trans-2-(4-Aminocyclohexyl)acetate Hydrochloride		76308-26-4	Cariprazine	R&D
Ethyl trans-2-(4-(3,3-dimethylureido)cyclohexyl)acetate		1642586-63-7	Cariprazine	R&D
4-(4-bromo-3-(hydroxymethyl)phenoxy)benzonitrile		906673-45-8	Crisaborole	Scale up
4-(4-bromo-3-(((tetrahydro-2H-pyran-2-yl)oxy)methyl)phenoxy)benzonitrile		943311-78-2	Crisaborole	Scale up
4-((1-hydroxy-1,3-dihydrobenzo [c][1,2]oxaborol-5-yl)oxy)benzonitrile		906673-24-3	Crisaborole	Scale up

Name of the Intermediate	Structure of the compound	CAS Number	Name of API	Status
5-bromo-2-chlorobenzoic acid		21739-92-4	Dapagliflozin	Commercial
4-(5-bromo-2-chlorobenzyl)phenol		864070-18-8	Dapagliflozin	Commercial
4-bromo-1-chloro-2-(4-ethoxybenzyl)benzene		461432-23-5	Dapagliflozin	Commercial
(2S,3R,4S,5S,6R)-2-(4-chloro-3-(4-ethoxybenzyl)phenyl)-6-(hydroxymethyl)-2-methoxytetrahydro-2H-pyran-3,4,5-triol		714269-57-5	Dapagliflozin	Scale up
(2S,3R,4S,5S,6R)-2-(4-chloro-3-(4-hydroxybenzyl)phenyl)-6-(hydroxymethyl)-2-methoxytetrahydro-2H-pyran-3,4,5-triol		NA	Dapagliflozin	Commercial
(2S,3R,4R,5S,6R)-2-[4-chloro-3-(4-ethoxybenzyl)phenyl]-6-(hydroxymethyl)tetrahydro-2H-pyran-3,4,5-triol 461432-		461432-26-8	Dapagliflozin	Scale up
1,1'-([1,1'-biphenyl]-4,4'-diyl)bis(2-bromoethanone)		4072-67-7	Daclatasvir	Commercial
1,1'-([1,1'-biphenyl]-4,4'-diyl)bis(2-chloroethanone)		24860-53-5	Daclatasvir	Commercial
N-Boc-L-Proline		15761-39-4	Daclatasvir	Commercial
(S)-2-((Methoxycarbonyl)amino)-3-methylbutanoic acid		74761-42-5	Daclatasvir	Commercial
3,4-dihydroisoquinoline-6,7-diol hydrochloride		4722-06-9	Deutetrabenazine	Commercial
Fmoc-L-Lys(Boc, i-Pr)-OH		201003-48-7	Degarelix	Scale up
Fmoc-L-Aph(L-Hor)-OH		1253282-31-3	Degarelix	Scale up
Fmoc-D-4-Aph(t-Bu-Cbm)-OH		1433975-21-3	Degarelix	Scale up
Dydrogesterone bis(Ethylene Acetal)		5488-51-7	Dydrogesterone	Commercial
(-)-N-Boc-D-α-phenylglycinol		102089-74-7	Elagolix	R&D
5-bromo-1-(2-fluoro-6-(trifluoromethyl)benzyl)-6-methyl-1H-pyrimidine-2,4-Dione		830346-48-0	Elagolix	R&D
tert-butyl N-([(1R)-2-(5-bromo-3-[[2-fluoro-6-(trifluoromethyl)phenyl]methyl]-4-methyl-2,6-dioxo-1,2,3,6-tetrahydropyrimidin-1-yl)-1-phenylethyl]carbamate		830346-49-1	Elagolix	R&D
3-([(2R)-N-(tert-butoxycarbonyl)amino-2-phenylethyl]-2-(2-fluoro-3-methoxyphenyl)-1-[2-fluoro-6-(trifluoromethyl)benzyl]-6-methyl-2,4(1H,3H)-pyrimidinedione		830346-51-5	Elagolix	Scale up



Name of the Intermediate	Structure of the compound	CAS Number	Name of API	Status
methyl (R)-4-{2-[5-(2-fluoro-3-methoxyphenyl)-3-[2-fluoro-6-(trifluoromethyl)benzyl]-4-methyl-2,6-dioxo-3,6-dihydro-2H-pyrimidin-1-yl]-1-phenylethylamino}butyrate		1092070-97-7	Elagolix	Scale up
(S)-5-Phenylmorpholin-2-one hydrochloride		491833-36-4	Eliglustat	Commercial
2,3-Dihydro-1,4-benzodioxine-6-carbaldehyde		29668-44-8	Eliglustat	Commercial
(1R,3S,5S,8aS)-1,3-Bis-(2',3'-dihydro-benzo[1,4]dioxin-6'-yl)-5-phenyl-tetrahydro-oxazolo[4,3-c][1,4]oxazin-8-one		491833-25-1	Eliglustat	Scale up
(S)-[1-(4-Phenyl-1H-imidazol-2-yl)- ethanamine		864825-23-0	Eluxadoline	Scale up
5-Formyl-2-methoxyl-benzoic acid methyl ester		78515-16-9	Eluxadoline	Scale up
(S)-(5-bromo-2-chlorophenyl)(4-((tetrahydrofuran-3-yl)oxy)phenyl)methanone		915095-84-0	Empagliflozin	Commercial
(3S)-3-(4-(5-bromo-2-chlorobenzyl)phenoxy) tetrahydrofuran		915095-89-5	Empagliflozin	Commercial
(5-Bromo-2-chlorophenyl)(4-fluorophenyl) methanone		915095-85-1	Empagliflozin	Commercial
(S)-(2-chloro-5-iodophenyl)(4-((tetrahydrofuran-3-yl)oxy)phenyl)methanone		915095-87-3	Empagliflozin	Commercial
(3S)-3-(4-(2-chloro-5-iodobenzyl)phenoxy) tetrahydrofuran		915095-94-2	Empagliflozin	Commercial
(S)-tetrahydrofuran-3-ol		86087-23-2	Empagliflozin	Commercial
(S)-tetrahydrofuran-3-yl-4-methylbenzenesulfonate		112052-11-6	Empagliflozin	Commercial
(R)-tetrahydrofuran-3-ol		86087-24-3	Empagliflozin	Commercial
(R)-tetrahydrofuran-3-yl-4-methylbenzenesulfonate		219823-47-9	Empagliflozin	Commercial
3,5-Dimethoxybenzamide		17213-58-0	Erdafitinib	Commercial
3,5-Dimethoxyaniline		10272-07-8	Erdafitinib	Commercial
7-Bromo-2-(1-methyl-1H-pyrazol-4-yl)-quinoxaline		1083325-87-4	Erdafitinib	Commercial
7-Bromoquinolin-2(1H)-one		99465-10-8	Erdafitinib	Commercial

Name of the Intermediate	Structure of the compound	CAS Number	Name of API	Status
7-bromo-2-chloroquinoxaline		89891-65-6	Erdafitinib	Commercial
N-(2-Chloroethyl)propan-2-amine hydrochloride		6306-61-2	Erdafitinib	Commercial
2-Isopropylaminoethanol		109-56-8	Erdafitinib	Commercial
9-((4,4,5,5,5-pentafluoropentyl)thio) nonan-1-ol		511545-94-1	Fulvestrant	Scale up
(9-iodononyl)(4,4,5,5,5-pentafluoropentyl)sulfane		862700-63-8	Fulvestrant	Scale up
S-Deoxo-6-oxo-fulvestrant		1107606-70-1	Fulvestrant	Scale up
S-Deoxo Fulvestrant		153004-31-0	Fulvestrant	Scale up
Fmoc-L-hArg(Et)2-OH HCl		1864003-26-8	Ganirelix	Scale up
Fmoc-D-hArg(Et)2-OH HCl		208174-14-5	Ganirelix	Scale up
4-(2-hydroxyethyl)benzene-1,2-diol		10597-60-1	Hydroxytyrosol	Scale up
Isavuconazole		241479-67-4	Isavuconazonium sulfate	Scale up
Boc-Isavuconazonium iodide		338990-64-0	Isavuconazonium sulfate	Scale up
Benzofuran-6-carboxylic acid		77095-51-3	Lifitegrast	Scale up
5,7-Dichloro-3,4-dihydro-2,6(1H)-isoquinolinedicarboxylic acid 2-(1,1-dimethylethyl) ester		851784-82-2	Lifitegrast	Scale up
5,7-dichloro-2-trityl-1,2,3,4-tetrahydroisoquinoline-6-carboxylic acid		1194550-56-5	Lifitegrast	Scale up
5,7-dichloro-1,2,3,4-tetrahydroisoquinoline-6-carboxylic Acid Hydrochloride		1289646-93-0	Lifitegrast	Commercial
(S)-tert-butyl 5-((2,5-dioxopyrrolidin-1-yl)oxy)-2-palmitamidopentanoate		204521-63-1	Liraglutide	Scale up
(S)-methyl 5-((2,5-dioxopyrrolidin-1-yl)oxy)-2-palmitamidopentanoate		294855-90-6	Liraglutide	Scale up
Fmoc-Thr(t-Bu)-Ser(t-Bu)-OH		67436-14-0	Liraglutide	Scale up

Name of the Intermediate	Structure of the compound	CAS Number	Name of API	Status
(S)-5-((2,5-dioxopyrrolidin-1-yl)oxy)-2-palmitamidopentanoic acid		294855-91-7	Liraglutide	Scale up
N-alpha-(9-Fluorenylmethyloxycarbonyl)-N-epsilon-(N-alpha'-palmitoyl-L-glutamic-acid alpha'-t-butyl ester)-L-lysine		1491158-62-3	Liraglutide	Scale up
Fmoc-Arg(Pbf)-Gly-OH		660846-80-0	Liraglutide	Scale up
6-bromo-5-methylpyridin-2-amine		89466-17-1	Lumacaftor	Commercial
6-Chloro-5-methylpyridin-2-amine		442129-37-5	Lumacaftor	Commercial
5-(4-bromophenyl)-4,6-dichloropyrimidine		146533-41-7	Macitentan	Scale up
N-5-(4-Bromophenyl)-6-chloro-4-pyrimidinyl-N'-propylsulfamide		1393813-42-7	Macitentan	Scale up
Methyl [5-benzoylbenzimidazole-2-yl] carbamate		31431-39-7	Mebendazole	Commercial
2-acetamido-4-chloro-5-sulfamoylbenzoic acid		17560-54-2	Metolazone	Commercial
4-(5-(4-(pentyloxy)phenyl)isoxazol-3-yl)benzoic acid		179162-55-1	Micafungin	Commercial
2-amino-1-(2,5-dimethoxyphenyl) ethanone hydrochloride		671224-08-1	Midodrine	Scale up
tert-butyl (2-((2-(2,5-dimethoxyphenyl)-2-oxoethyl) amino)-2-oxoethyl)carbamate		176851-43-7	Midodrine	Scale up
4-Amino-1-[(4R,6R)-6-(hydroxymethyl)-2,2-dimethyl-3a,4,6,6a-tetrahydrofuro[3,4-d][1,3]dioxol-4-yl]pyrimidin-2-one		NA	Molnupiravir	Scale up
[(3aR,4R,6S,6aR)-6-(4-amino-2-oxypyrimidin-1(2H)-yl)-2,2-dimethyltetrahydrofuro[3,4-d][1,3]dioxol-4-yl)methyl isobutyrate		NA	Molnupiravir	Scale up
2',3'-O-Isopropylideneuridine		362-43-6	Molnupiravir	Scale up
[(4R,6R)-4-[4-(hydroxyamino)-2-oxypyrimidin-1-yl]-2,2-dimethyl-3a,4,6,6a-tetrahydrofuro[3,4-d][1,3]dioxol-6-yl]methyl 2-methylpropanoate		NA	Molnupiravir	Scale up
methyl (E)-3-(methoxy(phenyl)methylene)-2-oxoindoline-6-carboxylate		1168150-46-6	Nintedanib	Scale up
N-(4-aminophenyl)-N-methyl-2-(4-methylpiperazin-1-yl)acetamide		262368-30-9	Nintedanib	Scale up
Methyl (3Z)-3-[[[4-(methyl[(4-methylpiperazin-1-yl) acetyl]amino)phenyl]amino](phenyl)methylidene]-2-oxo-2,3-dihydro-1H-indole-6-carboxylate		656247-17-5	Nintedanib	Scale up

Name of the Intermediate	Structure of the compound	CAS Number	Name of API	Status
2-nitro-4-(trifluoromethyl)benzoic acid		320-94-5	Nitisinone	Commercial
(R)-4-((3R,5S,6R,7R,8S,9S,10S,13R,14S,17R)-6-ethyl-3,7-dihydroxy-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)pentanoic acid		459789-99-2	Obeticholic acid	Scale-up
2-Hydroxy-5-methylpyridine		1003-68-5	Pirfenidone	Commercial
5-Methyl-N-phenyl-2-1H-pyridone		53179-13-8	Pirfenidone	Commercial
1'-phenyl-[2,3'-bipyridin]-6'(1'H)-one		381725-50-4	Perampanel	Scale up
3-bromo-1-phenyl-5-pyridin-2-ylpyridin-2-one		381248-06-2	Perampanel	Scale up
2-(1,3,2-dioxaborinan-2-yl)benzotrile		172732-52-4	Perampanel	Scale up
(3aR,4R,6R,6aR)-4-(4-Aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-6-(hydroxymethyl)-2,2-dimethyl tetrahydrofuro[3,4-d][1,3]dioxole-4-carbonitrile		1191237-80-5	Remdesivir	Commercial
2-Ethylbutyl (2S)-2-[[[(3aR,4R,6R,6aR)-4-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-4-cyano-2,2-dimethyl-6,6a-dihydro-3aH-furo[3,4-d][1,3]dioxol-6-yl)methoxy-phenoxyphosphoryl]amino]propanoate		1884576-18-4	Remdesivir	Commercial
2-isocyanato-1,1'-biphenyl		17337-13-2	Remdesivir	Scale up
piperidin-4-yl [1,1'-biphenyl]-2-ylcarbamate		171722-92-2	Remdesivir	R&D
Benzyl methyl(2-oxoethyl)carbamate		107201-33-2	Remdesivir	R&D
benzyl (2,2-dimethoxyethyl)(methyl) carbamate		1355573-66-8	Remdesivir	Commercial
(S,E)-3-hydroxy-7-(tritylthio)hept-4-enoic acid		180973-24-4	Remdesivir	Commercial
methyl 4-hydroxy-7-phenoxyisoquinoline-3-carboxylate		1455091-10-7	Roxadustat	R&D
methyl 4-hydroxy-1-methyl-7-phenoxyisoquinoline-3-carboxylate		1421312-34-6	Roxadustat	R&D
1-(2,6-difluorobenzyl)-1H-1,2,3-triazole-4-carboxylic acid		166196-11-8	Rufinamide	Commercial
6-Demethyl Tetracycline		NA	Sarecycline Hydrochloride	Commercial
Sancycline		808-62-4	Sarecycline Hydrochloride	Commercial

Name of the Intermediate	Structure of the compound	CAS Number	Name of API	Status
7-Iodosancycline		113164-67-3	Sarecycline Hydrochloride	Commercial
(S)-2-Ethoxy-3-(4-hydroxy-phenyl)-propionic acid ethyl ester		222555-06-8	Saroglitazar	Commercial
2-[2-Methyl-5-[4-(methylsulfonyl)phenyl]-1H-pyrrol-1-yl]ethan-1-ol		494850-27-0	Saroglitazar	Commercial
5-chloro-2,3-diphenylpyrazine		41270-66-0	Selexipag	Scale up
4-ISOPROPYLAMINOBTANOL		42042-71-7	Selexipag	Scale up
Fmoc-L-Lys(Boc-AEEA)-OH		1662688-16-5	Semaglutide	Scale up
Fmoc-AEEAc-AEEAc-OH		560088-89-3	Semaglutide	Scale up
Octadecanedioic acid mono-tert-butyl ester		843666-40-0	Semaglutide	Scale up
Fmoc-L-Lys[OctotBu]-Glu-(otBu)-AEEA-AEEA]-OSu		1118767-15-9	Semaglutide	Scale up
Fmoc-L-Lys[OctotBu]-Glu-(otBu)-AEEA-AEEA]-OHu		1118767-16-0	Semaglutide	Scale up
Fmoc-L-Lys[Oct-(otBu)-Glu-(otBu)-AEEA-AEEA]-OH		1662688-20-1	Semaglutide	Scale up
Fmoc-AEEAc-AEEAc-OH		560088-89-3	Semaglutide	Scale up
H-AEEAc-OH		134978-97-5	Semaglutide	Scale up
2-[2-(Fmoc-amino)ethoxy]ethanol		299430-87-8	Semaglutide	Scale up
Fmoc-His-Aib-OH		1446013-07-5	Semaglutide	Scale up
Fmoc-His-Aib-OSu		1169631-12-2	Semaglutide	Scale up
L-Alanine isopropyl ester hydrochloride		62062-65-1	Sofosbuvir, Tenofovir Alafenamide	Commercial
3-((Dimethylamino)methyl)-5-methylhexan-2-one		91342-74-4	Tetrabenazine / Deutetrabenazine / Valbenazine	Commercial
(3aS,5R,6R,6aS)-6-((tert-butyldimethylsilyloxy)-2,2-dimethyltetrahydrofuro[2,3-d][1,3]dioxole-5-carbaldehyde		1018898-77-5	Sotagliflozin	R&D

Name of the Intermediate	Structure of the compound	CAS Number	Name of API	Status
((3aS,5R,6S,6aS)-6-hydroxy-2,2-dimethyltetrahydrofuro[2,3-d][1,3]dioxol-5-yl)(morpholino)methanone		1103738-19-7	Sotagliflozin	R&D
5-fluorobenzo[c][1,2]oxaborol-1(3H)-ol		174671-46-6	Tavaborole	Scale up
(R)-3-(4-bromo-3-fluorophenyl)-5-(hydroxymethyl)oxazolidin-2-one		444335-16-4	Tavaborole	Scale up
5-bromo-2-(2-methyl-2H-tetrazol-5-yl)pyridine		380380-64-3	Tavaborole	Scale up
(R)-3-(3-fluoro-4-(6-(2-methyl-2H-tetrazol-5-yl)pyridin-3-yl)phenyl)-5-(hydroxymethyl)oxazolidin-2-one		856867-55-5	Tavaborole	Scale up
3-((dimethylamino)methyl)-5-methylhexan-2-one methiodide		1069-62-1	Tetrabenazine/ Deutetabenazine/ Valbenazine	Commercial
3-((dimethylamino)methyl)-5-methylhexan-2-one, oxalate		2102090-17-3	Tetrabenazine/ Deutetabenazine/ Valbenazine	Commercial
6,7-dimethoxy-3,4-dihydroisoquinoline hydrochloride		20232-39-7	Tetrabenazine/ Deutetabenazine/ Valbenazine	Commercial
6,7-dihydroxy-3,4-dihydroisoquinoline		4602-83-9	Deutetabenazine/ Valbenazine	Commercial
Fmoc-Lys(tBu-OOC-C18-CO-Glu(AEEA-AEEA)-OtBu)-OH		2460751-66-8	Tirzepatide	Scale up
tBu-OOC-C18-CO-Glu(AEEA-AEEA-OH)-OtBu		Not available	Tirzepatide	Scale up
Ethyl 2-((1H-pyrrolo[2,3-b]pyridin-5-yl)oxy)-4-fluorobenzoate		1630101-74-4	Venetoclax	Scale up
1-((4'-chloro-5,5-dimethyl-3,4,5,6-tetrahydro-[1,1'-biphenyl]-2-yl)methyl)piperazine dihydrochloride		1628047-87-9	Venetoclax	Scale up
3-nitro-4-(((tetrahydro-2H-pyran-4-yl)methyl)amino)benzenesulfonamide		1228779-96-1	Venetoclax	Scale up
2-chloro-4-(methylsulfonyl) benzoic acid		53250-83-2	Vismodegib	R&D
2-(2-chloro-5-nitrophenyl) pyridine		879088-40-1	Vismodegib	R&D
4-chloro-3-(pyridin-2-yl)aniline		879088-41-2	Vismodegib	R&D
2-Chloro-N-(4-chloro-3-pyridin-2-ylphenyl)-4-methylsulfonylbenzamide		879085-55-9	Vismodegib	R&D
2-(((2S,3R,4S,5R)-2,3,4-tris(benzyloxy)-5-((benzyloxy)methyl)-5-hydroxycyclohexyl)amino)propane-1,3-diolhydrobromide		1071985-27-7	Voglibose	Commercial

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1-[2-(2,4-Dimethyl-phenylsulfanyl)-phenyl] piperazine		508233-74-7	Vortioxetine	Scale up
6-(5-chloropyridin-2-yl)-7-hydroxy-6,7-dihydro-5H-pyrrolo[3,4-b]pyrazin-5-one		43200-81-3	Zopiclone	Scale up