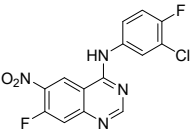

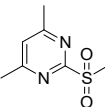
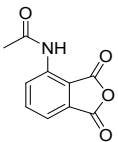
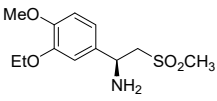
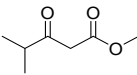
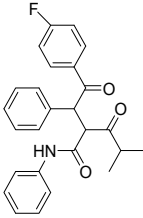
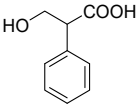
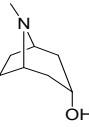
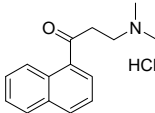
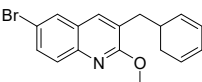
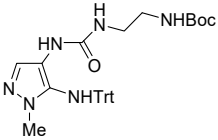
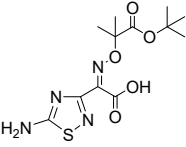
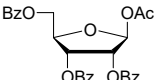
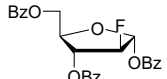
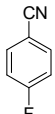
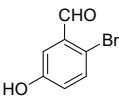
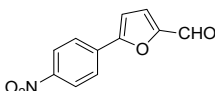
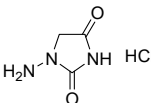
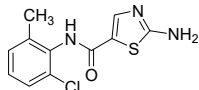
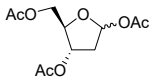
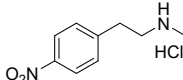
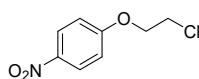
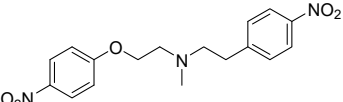
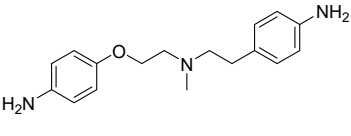
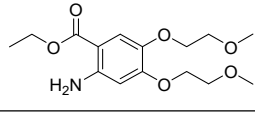
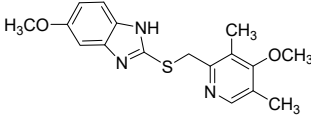
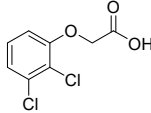
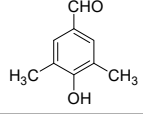
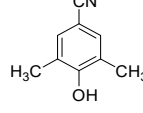
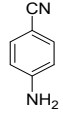
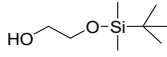
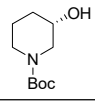
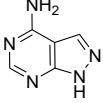
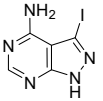
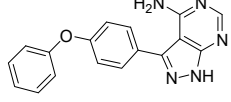
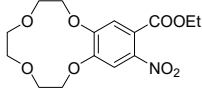
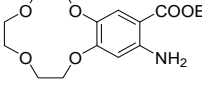
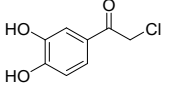
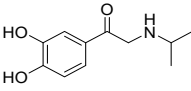
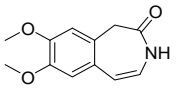
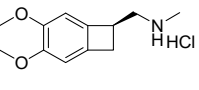
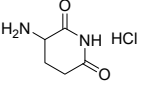
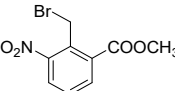
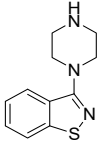
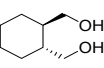
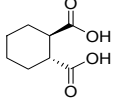
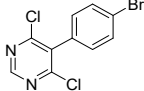
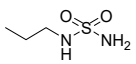


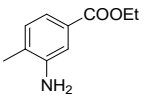
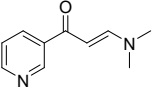
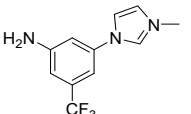
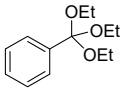
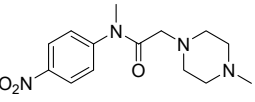
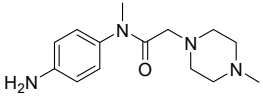
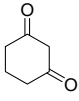
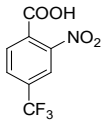
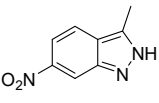
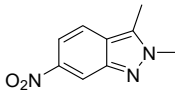
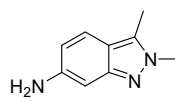
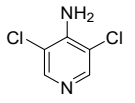
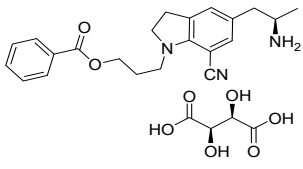
Nanjing Pharmatechs API Intermediate List

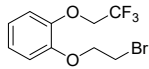
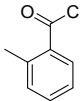
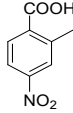
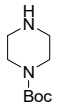
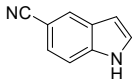
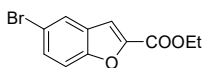
Product Name/Number	Structure	CAS#	Purity	Application
(3-Chloro-4-fluorophenyl)-(7-fluoro-6-nitro-quinazolin-4-yl)amine/HA-25006		162012-67-1	>99%	Intermediate for Afatinib
(S)-(+)-3-Hydroxytetrahydrofuran/HA-25007		86087-23-2	>99%, >99% ee	Intermediate for Afatinib
4,6-Dimethyl-2-(methylsulfonyl)-imidine/HA-25005		35144-22-0	>99%	Intermediate for Ambrisentan
3-Acetamidophthalic anhydride/HA-25009		6296-53-3	>99%	Intermediate for Apremilast
(S)-1-(3-Ethoxy-4-methoxyphenyl)-2-(methylsulfonyl)ethan-1-amine/HA-25010		608141-42-0	>99%, >99% ee	Intermediate for Apremilast
Methyl isobutyrylacetate/HA-25001		42558-54-3	>99%	Intermediate for Atorvastatin
2-(2-(4-Fluorophenyl)-2-oxo-1-phenylethyl)-4-methyl-3-oxo-N-phenylpentanamide (Atorvastatin M4)/HA-25002		125971-96-2	>99%	Intermediate for Atorvastatin
DL-Tropic acid/HA-25004		552-63-6	>99%	Intermediate for Atropine
Tropine/HA-25003		120-29-6	>99%	Intermediate for Atropine
3-(Dimethylamino)-1-(naphthalen-1-yl)propan-1-one hydrochloride/HA-25012		5409-58-5	>99%	Intermediate for Bedaquiline
3-Benzyl-6-bromo-2-methoxyquinoline/HA-25011		654655-69-3	>99%	Intermediate for Bedaquiline

Product Name/Number	Structure	CAS#	Purity	Application
tert-Butyl [2-([1-methyl-5-(tritylamino)-1H-pyrazol-4-yl]carbamoyl)amino)-ethyl]carbamate/HA-25101		689293-69-4	>99%	Intermediate for Cefotolozane
2-(5-Amino-1,2,4-thiadiazol-3-yl)-2-(((1-butoxy-1-oxopropan-2-yl)oxy)imino)acetic acid/HA-25102		76028-96-1	>99%	Intermediate for Cefotolozane
β -D-Ribofuranose 1-acetate 2,3,5-tribenzoate/HA-25013		6974-32-9	>98%	Intermediate for Clofarabine
2-Deoxy-2-fluoro-1,3,5-tri-O-benzoyl- α -D-arabinofuranose/HA-25014		97614-43-2	>99%	Intermediate for Clofarabine
4-Fluorobenzonitrile/HA-25201		1194-02-1	>99%	Intermediate for Crisaborole
2-Bromo-5-hydroxybenzaldehyde/HA-25202		2973-80-0	>99%	Intermediate for Crisaborole
5-(4-Nitrophenyl)-2-furaldehyde/HA-25022		7147-77-5	>99%	Intermediate for Dantrolene
1-Aminohydantoin hydrochloride/HA-25021		2827-56-7	>98%	Intermediate for Dantrolene
2-Amino-N-(2-chloro-6-methylphenyl)-thiazole-5-carboxamide/HA-25016		302964-24-5	>98%	Intermediate for Dasatinib
1,3,5-Tri-O-acetyl-2-deoxy-D-ribose/HA-25015		4594-52-9	>99%	Intermediate for Decitabine
N-Methyl-4-nitrophenethylamine hydrochloride/HA-25017		166943-39-1	>99%	Intermediate for Dofetilide
1-(2-Chloroethoxy)-4-nitrobenzene/HA-25018		3383-72-0	>99%	Intermediate for Dofetilide
N-Methyl-N-(2-(4-nitrophenoxy)ethyl)-2-(4-nitrophenyl)ethanamine/HA-25019		115287-37-1	>98%	Intermediate for Dofetilide

Product Name/Number	Structure	CAS#	Purity	Application
N-Methyl-N-(2-(4-aminophenoxy)ethyl)-2-(4-aminophenyl)ethanamine/HA-25020		115256-13-8	>99%	Intermediate for Dofetilide
Ethyl 4,5-bis(2-methoxyethoxy)-2-aminobenzoate/HA-25023		179688-27-8	>97%	Intermediate for Erlotinib
5-Methoxy-2-[[[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]thio]-1H-benzimidazole/HA-25026		73590-85-9	>99%	Intermediate for Esomeprazole
2,3-Dichlorophenoxyacetic acid/HA-25027		2976-74-1	>99%	Intermediate for Ethacrynic Acid
3,5-Dimethyl-4-hydroxybenzaldehyde/HA-25028		2233-18-3	>99%	Intermediate for Etravirine
3,5-Dimethyl-4-hydroxybenzotrile/HA-25030		4198-90-7	>99%	Intermediate for Etravirine
4-Aminobenzotrile/HA-25029		873-74-5	>98%	Intermediate for Etravirine
2-((tert-Butyldimethylsilyl)oxy)ethanol/HA-25103		102229-10-7	>99%	Intermediate for Everolimus
(S)-1-Boc-3-hydroxypiperidine/HA-25033		143900-44-1	>99%, >99% ee	Intermediate for Ibrutinib
1H-Pyrazolo[3,4-d]pyrimidin-4-amine/HA-25035		2380-63-4	>97%	Intermediate for Ibrutinib
3-Iodo-1H-pyrazolo[3,4-d]pyrimidin-4-amine/HA-25036		151266-23-8	>98%	Intermediate for Ibrutinib
3-(4-Phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine/HA-25034		330786-24-8	>99%	Intermediate for Ibrutinib

Product Name/Number	Structure	CAS#	Purity	Application
1,4,7,10-Benzotetraoxacyclododecin-12-carboxylic acid, 2,3,5,6,8,9-hexahydro-13-nitro ethyl ester/HA-25104		1204313-55-2	>99%	Intermediate for Icotinib
1,4,7,10-Benzotetraoxacyclododecin-12-carboxylic acid, 13-amino-2,3,5,6,8,9-hexahydro-, ethyl ester/HA-25105		1204386-13-9	>99%	Intermediate for Icotinib
2-Chloro-3',4'-dihydroxyacetophenone/HA-25032		99-40-1	>99%	Intermediate for Isoprenaline
1-(3,4-Dihydroxyphenyl)-2-(propan-2-ylamino)ethanone/HA-25031		121-28-8	>99%	Intermediate for Isoprenaline
7,8-Dimethoxy-1,3-dihydro-2H-3-benzazepin-2-one/HA-25106		73942-87-7	>99%	Intermediate for Ivabradine
(1S)-4,5-Dimethoxy-1-[(methylamino)methyl]benzocyclobutane hydrochloride/HA-25107		866783-13-3	>99%, >99% ee	Intermediate for Ivabradine
3-Aminopiperidine-2,6-dione hydrochloride/HA-25040		2686-86-4	>99%	Intermediate for Lenalidomide
Methyl 2-bromomethyl-3-nitrobenzoate/HA-25041		98475-07-1	>98%	Intermediate for Lenalidomide
3-(1-Piperazinyl)-1,2-benzisothiazole/HA-25042		87691-87-0	>99%	Intermediate for Lurasidone
(1R,2R)-1,2-Cyclohexanedimethanol/HA-25043		65376-05-8	>99%, >99% ee	Intermediate for Lurasidone
(1R,2R)-1,2-Cyclohexanedicarboxylic acid/HA-25044		46022-05-3	>98%, >98% ee	Intermediate for Lurasidone
5-(4-Bromophenyl)-4,6-dichloropyrimidine/HA-25045		146533-41-7	>99%	Intermediate for Macitentan
1-(Sulfamoylamino)propane/HA-25046		147962-41-2	>99%	Intermediate for Macitentan

Product Name/Number	Structure	CAS#	Purity	Application
Ethyl 3-amino-4-methylbenzoate/ HA-25047		41191-92-8	>99%	Intermediate for Nilotinib
3-(Dimethylamino)-1-(pyridin-3-yl)prop-2-en-1-one/HA-25048		55314-16-4	>99%	Intermediate for Nilotinib
3-(4-Methyl-1H-imidazol-1-yl)-5-(trifluoromethyl)aniline/HA-25049		641571-11-1	>99%	Intermediate for Nilotinib
Triethyl orthobenzoate/HA-25108		1663-61-2	>98%	Intermediate for Nintedanib
N-Methyl-2-(4-methylpiperazin-1-yl)-N-(4-nitrophenyl)acetamide/HA-25109		1139453-98-7	>99%	Intermediate for Nintedanib
N-(4-Aminophenyl)-N-methyl-2-(4-methylpiperazin-1-yl)acetamide/ HA-25110		262368-30-9	>99%	Intermediate for Nintedanib
1,3-Cyclohexanedione/HA-25111		504-02-9	>99%	Intermediate for Nitisinone
2-Nitro-4-(trifluoromethyl)benzoic acid/ HA-25112		320-94-5	>99%	Intermediate for Nitisinone
3-Methyl-6-nitro-1H-indazole/HA-25052		6494-19-5	>99%	Intermediate for Pazopanib
2,3-Dimethyl-6-nitro-2H-indazole/ HA-25051		444731-73-1	>99%	Intermediate for Pazopanib
2,3-Dimethyl-2H-indazol-6-amine/ HA-25050		444731-72-0	>99%	Intermediate for Pazopanib
4-Amino-3,5-dichloropyridine/ HA-25054		22889-78-7	>99%	Intermediate for Roflumilast
5-[(2R)-2-Aminopropyl]-1-[3-(benzoyloxy)propyl]-2,3-dihydro-1H-indole-7-carbonitrile (2R,3R)-2,3-Dihydroxybutanedioate/HA-25055		239463-85-5	>99%, >99% ee	Intermediate for Silodosin

Product Name/Number	Structure	CAS#	Purity	Application
2-[2-(2,2,2-Trifluoroethoxy)phenoxy]-ethyl bromide/HA-25100		160969-00-6	>99%	Intermediate for Silodosin
o-Toluoyl chloride/HA-25057		933-88-0	>98%	Intermediate for Tolvaptan
2-Methyl-4-nitrobenzoic acid/HA-25058		1975-51-5	>99%	Intermediate for Tolvaptan
tert-Butyl 1-piperazinecarboxylate/HA-25061		57260-71-6	>99%	Intermediate for Vilazodone
Indole-5-carbonitrile/HA-25059		15861-24-2	>99%	Intermediate for Vilazodone
Ethyl 5-bromobenzofuran-2-carboxylate/HA-25060		84102-69-2	>99%	Intermediate for Vilazodone