



## SHANDONG BOYUAN PHARMACEUTICAL CO., LTD

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### Intermediates Product List

No.	Product Name	CAS NO.	Use
1	Hexachloroplatinum(IV)Acid Hydrat	16941-12-1	Intermediate of platinum antitumor APIs
2	Potassium hex achloroplatinate(IV)	16921-30-5	Intermediate of platinum antitumor APIs
3	Potassium tetrachloroplatinate( II )	10025-99-7	Intermediate of platinum antitumor APIs
4	1,1-cyclobutanedicarboxylic	5445-51-2	Intermediate of platinum antitumor APIs
5	1,2-Cyclohexanediamine	694-83-7	Intermediate of platinum antitumor APIs
6	Trans-1,2-diaminocyclohexane	1121-22-8	Intermediate of platinum antitumor APIs
7	(1R,2R)-(-)-1,2- diaminocyclohexane acid	20439-47-8	Intermediate of platinum antitumor APIs
8	1,2,3-triacetyl-5-deoxy-β-D-Ribose	62211-93-2	Intermediate of antitumor API capecitabine
9	2',3'-Di-O-acetyl-5'-deoxy-5-fuluro-D-cytidine	161599-46-8	Intermediate of antitumor API capecitabine
10	5'-Deoxy-5-fluoro-N-[(pentyloxy)carbonyl]cytidine 2',3'-diacetate	162204-20-8	Intermediate of antitumor API capecitabine
11	4-Chloro-6-iodoquinazoline	98556-31-1	Intermediate of antitumor API lapatinib
12	6-Iodo-4-hydroxyquinazoline	16064-08-7	Intermediate of antitumor API lapatinib
13	2-Formylfuran-5-boronic acid	27329-70-0	Intermediate of antitumor API lapatinib
14	2-Aminoethylmethylsulfone hydrochloride	104458-24-4	Intermediate of antitumor API lapatinib

No.	Product Name	CAS NO.	Use
15	3-Chloro-4-(3-fluorobenzyloxy)nitrobenzene	443882-99-3	Intermediate of antitumor API lapatinib
16	3-Chloro-4-(3-fluorobenzyloxy)aniline	202197-26-0	Intermediate of antitumor API lapatinib
17	N-[3-Chloro-4-(3-fluorobenzyloxy)phenyl]-6-iodoquinazolin-5-amine	231278-20-9	Intermediate of antitumor API lapatinib
18	5-[4-((3-Chloro-4-((3-fluorobenzyl)oxy)phenyl)amino)quinazolin-6-yl]-2-furaldehyde	231278-84-5	Intermediate of antitumor API lapatinib
19	Ethyl 2-aminothiazole-5-carboxylate	32955-21-8	Intermediate of antitumor API dasatinib
20	2-(tert-Butoxycarbonylamino)thiazole-5-carboxylic acid	302964-02-9	Intermediate of antitumor API dasatinib
21	2-Amino-N-(2-chloro-6-methylphenyl)thiazole-5-carboxamide	302964-24-5	Intermediate of antitumor API dasatinib
22	N-(2-Chloro-6-methylphenyl)-2-[(6-chloro-2-methyl-4-ymidinyl)amino]-5-thiazolecarboxamide	302964-08-5	Intermediate of antitumor API dasatinib
23	4-Chloro-7-methoxyquinoline-6-carboxamide	417721-36-9	Intermediate of antitumor API lenvatinib
24	4-[(2,2-Dimethyl-4,6-dioxo-[1,3]dioxan-5-ylidene)methyl]-amino]-2-methoxybenzoic acid methyl ester	205448-64-2	Intermediate of antitumor API lenvatinib
25	1,4-Dihydro-7-methoxy-4-oxo-6-quinolinecarboxylic acid methyl ester	205448-65-3	Intermediate of antitumor API lenvatinib
26	4-Chloro-7-methoxyquinoline-6-carboxylic acid methyl ester	205448-66-4	Intermediate of antitumor API lenvatinib
27	4-Amino-3-chlorophenol	17609-80-2	Intermediate of antitumor API lenvatinib
28	4-Amino-3-chlorophenol hydrochloride	52671-64-4	Intermediate of antitumor API lenvatinib
29	(2-Chloro-4-hydroxyphenyl)carbamic acid phenyl ester	796848-80-1	Intermediate of antitumor API lenvatinib
30	N-(2-Chloro-4-hydroxyphenyl)-N'-cyclopropyl-urea	796848-79-8	Intermediate of antitumor API lenvatinib
31	N-(4-fluoro-2-Methoxy-5-nitrophenyl)-4-(1-Methylindol-3-yl)pyrimidin-2-amine	1421372-94-2	Intermediate of antitumor API osimertinib
32	1,4-Benzenediamine, N1-[2-(dimethylamino)ethyl]-5-Methoxy-N1-Methyl-N4-[4-(1-Methyl-1H-indol-3-yl)-2-pyrimidinyl]-2-nitro-	1421372-67-9	Intermediate of antitumor API osimertinib
33	Mutated EGFR-IN-1	1421372-66-8	Intermediate of antitumor API osimertinib

No.	Product Name	CAS NO.	Use
34	4-fluoro-2-Methoxy-5-nitroaniline	1075705-01-9	Intermediate of antitumor API osimertinib
35	3-(2-chloropyrimidin-4-yl)-1-	1032452-86-0	Intermediate of antitumor API osimertinib
36	N, N, N' - trimethylethylenediamine	142-25-6	Intermediate of antitumor API osimertinib
37	2,3-DIMETHOXYBENZONITRILE	2024-83-1	Intermediate of antitumor API Erlotinib
38	3,4-Dihydroxybenzoxonitrile	17345-61-8	Intermediate of antitumor API Erlotinib
39	3,4-Bis(2-methoxyethoxy)benzoxonitrile	80407-68-7	Intermediate of antitumor API Erlotinib
40	4,5-Bis(2-methoxyethoxy)-2-nitrobenzoxonitrile	236750-65-5	Intermediate of antitumor API Erlotinib
41	2-Amino-4,5-bis(2-methoxyethoxy)benzoxonitrile	950596-58-4	Intermediate of antitumor API Erlotinib
42	4-(6-Aminopyrimidin-3-yl)piperazine-1-carboxylic acid tert-butyl ester	571188-59-5	Intermediate of antitumor API Palbociclib
43	2-Amino-5-bromopyridine	1072-97-5	Intermediate of antitumor API Palbociclib
44	5-Bromo-2-nitropyridine	39856-50-3	Intermediate of antitumor API Palbociclib
45	1-Boc-4-(6-nitropyrimidin-3-yl)piperazine	571189-16-7	Intermediate of antitumor API Palbociclib
46	6-Bromo-2-chloro-8-cyclopentyl-5-methylpyrido[2,3-d]pyrimidin-7(8H)-one	1016636-76-2	Intermediate of antitumor API Palbociclib
47	5-Bromo-2-chloro-4-(cyclopentylamino)pyrimidine	733039-20-8	Intermediate of antitumor API Palbociclib
48	2-Chloro-8-cyclopentyl-5-methyl-8H-pyrido[2,3-d]pyrimidin-7-one	1013916-37-4	Intermediate of antitumor API Palbociclib
49	4-[6-[(6-Bromo-8-cyclopentyl-7,8-dihydro-5-methyl-7-oxopyrido[2,3-d]pyrimidin-2-yl)amino]-3-pyridinyl]-1-piperazinecarboxylic acid 1,1-dimethylethyl ester	571188-82-4	Intermediate of antitumor API Palbociclib
50	4-[6-[(6-(1-Butoxyvinyl)-8-cyclopentyl-5-methyl-7-oxo-7,8-dihydropyrido[2,3-d]pyrimidin-2-yl)amino]pyrimidin-3-yl]piperazine-1-carboxylic acid tert-butyl ester	866084-31-3	Intermediate of antitumor API Palbociclib
51	3-Amino-2,6-piperidinedione hydrochloride	24666-56-6/2686-86-4	Intermediate of antitumor API lenalidomide

No.	Product Name	CAS NO.	Use
52	Methyl 2-bromomethyl-3-nitrobenzoate	98475-07-1	Intermediate of antitumor API lenalidomide
53	3-(4-Nitro-1-oxo-1,3-dihydroisoindol-2-yl)piperidine-2,6-dione	827026-45-9	
54	(1R)-(S)-pinanediol-1-Ammonium Trifluoroacetate-3-methylbutane-1-boronate	179324-87-9	Intermediate of antitumor API bortezomib
55	N-(2-Pyrazinylcarbonyl)-L-phenylalanine	114457-94-2	Intermediate of antitumor API bortezomib
56	Trans-1,2-diaminocyclohexane-N,,N'N'- tetraacetic acid	125572-95-4/13291- 61-7	Ligand
57	4-Isothiocyanato-2- (trifluoromethyl)benzotrile	143782-23-4	Enzalutamide Intermediate
58	4-Bromo-2-fluoro-N-methylbenzamide	749927-69-3	Intermediate of antitumor API Enzalutamide
59	N-[3-Fluoro-4- [(methylamino)carbonyl]phenyl]-2- methylalanine	1289942-66-0	Intermediate of antitumor API Enzalutamide
60	N-[3-Fluoro-4- [(methylamino)carbonyl]phenyl]-2- methylalanine Methyl Ester	1332524-01-2	Intermediate of antitumor API Enzalutamide
61	2-Chloro-4,6-dimethoxy-1,3,5-triazine	3140-73-6	Intermediate of antitumor API pemetrexed disodium
62	Diethyl L-glutamate hydrochloride	1118-89-4	Intermediate of antitumor API pemetrexed disodium
63	Pemetrexed disodium INT-3	155405-80-4	Intermediate of antitumor API pemetrexed disodium
64	Pemetrexed disodium INT-4	137281-39-1	Intermediate of antitumor API pemetrexed disodium
65	Pemetrexed disodium INT-5	165049-28-5	Intermediate of antitumor API pemetrexed disodium
66	Pemetrexed disodium INT-6	137281-23-3	Intermediate of antitumor API pemetrexed disodium
67	3-(2-Chloroactyl)-2-[(2- chloroethyl)amino]tetrahydro-2H-1,3,2- oxazaphosphorine-2-oxide	72578-71-3	Intermediate of antitumor API Ifosfamide
68	3-oxo-1,3-dihydroisobenzofuran-1- ylphosphonic acid	61260-15-9	Intermediate of antitumor API Olaparib
69	2-Fluoro-5-[(3-oxo-1(3H)- isobenzofuranylidene)methyl]- benzotrile	763114-25-6	Intermediate of antitumor API Olaparib
70	1(3H)-Isobenzofuranone, 3-[(3-bromo-4- fluorophenyl)methylene]-, (3Z)-	1423030-14-1	Intermediate of antitumor API Olaparib

No.	Product Name	CAS NO.	Use
71	2-fluoro-5-((4-oxo-3,4-dihydrophthalazin-1-yl)methyl)benzoic acid	763114-26-7	Intermediate of antitumor API Olaparib
72	1(2H)-Phthalazinone, 4-[(3-bromo-4-fluorophenyl)methyl]-	1062292-60-7	Intermediate of antitumor API Olaparib
73	Piperazine, 1-(cyclopropylcarbonyl)-, Monohydrochloride	1021298-67-8	Intermediate of antitumor API Olaparib
74	2-FLUORO-5-FORMYLBENZONITRILE	218301-22-5	Intermediate of antitumor API Olaparib
75	N-methyl-1-naphthalenemethylamine	14489-75-9	Intermediate of antifungal API terbinafine hydrochloride
76	3,3-Dimethyl-1-Butyne	917-92-0	Intermediate of antifungal API terbinafine hydrochloride
77	1-CHLORO-6,6-DIMETHYL-2-HEPTEN-4-YNE	126764-17-8	Intermediate of antifungal API terbinafine hydrochloride
78	4-tert-Butylbenzyl chloride	19692-45-6	
79	Cis-hexahydroisindoline	21850-12-4	Intermediate of miglinide calcium for the treatment of diabetes
80	Cis-hexahydroisindoline HCL	161829-92-1	Intermediate of miglinide calcium for the treatment of diabetes
81	2-Benzylsuccinic acid	36092-42-9	Intermediate of miglinide calcium for the treatment of diabetes
82	S-Benzyl succinic acid	3972-36-9	Intermediate of miglinide calcium for the treatment of diabetes
83	Acetoxy Empagliflozin	915095-99-7	Empagliflozin Intermediate
84	(5-Bromo-2-chlorophenyl)(4-fluorophenyl)methanone	915095-85-1	Empagliflozin Intermediate
85	(S)-(5-bromo-2-chlorophenyl)(4-((tetrahydrofuran-3-yl)oxy)phenyl)methanone	915095-84-0	Empagliflozin Intermediate
86	(3S)-3-[4-[(5-Bromo-2-chlorophenyl)methyl]phenoxy]tetrahydrofuran	915095-89-5	Empagliflozin Intermediate
87	5-Bromo-2-chlorobenzoic acid	21739-92-4	Empagliflozin Intermediate
88	2,3,4,6-Tetra-O-(trimethylsilyl)-D-glucono-delta-lactone	32384-65-9	Empagliflozin Intermediate

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89	(5-bromo-2-chlorophenyl)(4-ethoxyphenyl)methanone	461432-22-4	Antidiabetic Intermediate
90	4-Bromo-1-chloro-2-(4-ethoxybenzyl)benzene	461432-23-5	Antidiabetic Intermediate
91	2R,3R,4R,5S,6S)-2-(AcetoxyMethyl)-6-(4-chloro-3-(4-ethoxybenzyl)phenyl)tetrahydro-2H-pyran-3,4,5-triyl triacetate	461432-25-7	Antidiabetic Intermediate
92	4-(4-Fluorobenzoyl)butyric Acid	149437-76-3	Intermediate of cholesterol-lowering API ezetimibe
93	(4S)-3-[5-(4-Fluorophenyl)-1,5-dioxopenyl]-4-phenyl-2-oxazolidinone	189028-93-1	Intermediate of cholesterol-lowering API ezetimibe
94	Ezetimibe INT A	189028-95-3	Intermediate of cholesterol-lowering API ezetimibe
95	4-[[4-(4-Fluorophenyl)imino]methyl]-phenol	3382-63-6	Intermediate of cholesterol-lowering API ezetimibe
96	3-[(2R,5S)-5-(4-Fluorophenyl)-2-[(S)-[(4-fluorophenyl(amino))][4-[trimethylsilyl]-oxy]phenyl]methyl]-1-oxo-5-[(trimethylsilyl)-oxy]pentyl]-4-phenyl-(4S)-2-oxazolidinone	272778-12-8	Intermediate of cholesterol-lowering API ezetimibe
97	4-(4-Aminophenyl)morpholin-3-one	438056-69-0	Intermediate of antithrombotic API rivaroxaban
98	(S)-(+)-N-(2,3-Epoxypropyl)phthalimide	161596-47-0	Intermediate of antithrombotic API rivaroxaban
99	5-Chlorothiophene-2-carboxylic acid	24065-33-6	Intermediate of antithrombotic API rivaroxaban
100	2-[(2R)-2-hydroxy-3-[[4-(3-oxomorpholin-4-yl)phenyl]amino}propyl]-1H-isoindole-1,3(2H)-dione	446292-07-5	Intermediate of antithrombotic API rivaroxaban
101	2-[[[(5S)-2-Oxo-3-[4-(3-oxo-4-morpholinyl)phenyl]-5-oxazolidinyl]methyl]-1H-isoindole-1,3(2H)-dione	446292-08-6	Intermediate of antithrombotic API rivaroxaban
102	4-[4-[(5S)-5-(Aminomethyl)-2-oxo-1,3-oxazolidin-3-yl]phenyl]morpholin-3-one hydrochloride	898543-06-1	Intermediate of antithrombotic API rivaroxaban
103	3-Amino crotonic acid cinnamyl ester	103909-86-0	Intermediate of antihypertensive API cilnidipine

No.	Product Name	CAS NO.	Use
104	Cinnamyl Acetoacetate	57582-46-4	Intermediate of antihypertensive API cilnidipine
105	2-Methoxyethyl 2-[(3-nitrophenyl)methylene]acetoacetate	39562-22-6	Intermediate of antihypertensive API cilnidipine
106	N-(2',6'- dimethylphenyl)-piperidine-2-carboxylic amide	15883-20-2	Intermediate of caine anesthetic APIs
107	(S)-N-(2',6'-dimethylphenyl)-piperidine-2-carboxylic amide	27262-40-4	Intermediate of caine anesthetic APIs
108	Tetrahydropapaverine hydrochloride	1654280	Intermediate of the muscle relaxant atracuramide
109	Atracurium oxalate	64228-78-0	Intermediate of the muscle relaxant atracuramide
110	R-Tetrahydropapaverine hydrochloride	54417-53-7	Intermediate of the muscle relaxant atracuramide
111	2,6-Diamino-4,5,6,7-tetrahydrobenzothiazole	104617-49-4	Intermediate of anti-Parkinsonian API pramipexole
112	(S)-4,5,6,7-Tetrahydro-2,6-benzothiazole diamine	106092-09-5	Intermediate of anti-Parkinsonian API pramipexole
113	4-hydroxythiobenzamide	25984-63-8	Intermediate of anti-gout API febuxostat
114	Ethyl 2-(4-hydroxyphenyl)-4-methylthiazole-5-carboxylate	161797-99-5	Intermediate of anti-gout API febuxostat
115	Ethyl 2-(3-formyl-4-hydroxyphenyl)-4-methylthiazole-5-carboxylate	161798-01-2	Intermediate of anti-gout API febuxostat
116	Ethyl 2-(3-formyl-4-isobutoxyphenyl)-4-methylthiazole-5-carboxylate	161798-03-4	Intermediate of anti-gout API febuxostat
117	Ethyl 2-(3-cyano-4-hydroxyphenyl)-4-methyl-1,3-thiazole-5-carboxylate	161798-02-3	Intermediate of anti-gout API febuxostat
118	Ethyl 2-(3-cyano-4-isobutoxyphenyl)-4-methyl-5-thiazolecarboxylate	160844-75-7	Intermediate of anti-gout API febuxostat
119	2-BenzylAcrylicAcid	5669-19-2	Racecadotril Intermediate
120	Glycine benzyl ester p-toluenesulfonate salt	1738-76-7	Racecadotril Intermediate
121	2-[(Acetylthio)methyl]-3-phenylpropionic Acid	91702-98-6	Racecadotril Intermediate
122	1-Methylcyclopropane-1-carboxylic acid	6914-76-7	Pharmaceutical intermediate
123	(R)-(-)-2,2-Dimethyl-1,3-dioxolane-4-methanol	14347-78-5	Intermediate of antiviral APIs



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124	2,3-Pyridinedicarboxylic acid dimethyl ester	605-38-9	Intermediate of Anti-migraine API
125	Dimethyl 5,9-dihydroxy-7H-cyclohepta[b]pyridine-6,8-dicarboxylate	39713-36-5	Intermediate of Anti-migraine API
126	7,8-dihydro-5H-cyclohepta[b]pyridine-5,9(6H)-dione	39713-40-1	Intermediate of Anti-migraine API
127	(R)-9-((triisopropylsilyloxy)-6,7,8,9-tetrahydro-5H-cyclohepta[b]pyridin-5-onehydrochloride	1190363-45-1	Intermediate of Anti-migraine API
128	3-Aminophthalic acid hydrochloride	6946-22-1	
129	3-Acetamidophthalic Anhydride	6296-53-3	Apremilast Intermediate
130	3-Ethoxy-4-methoxy benzonitrile	60758-86-3	Apremilast Intermediate
131	1-(3-Ethoxy-4-methoxyphenyl)-2-(methylsulfonyl)ethanamine	253168-94-4	Apremilast Intermediate
132	(S)-1-(3-Ethoxy-4-Methoxyphenyl)-2-(Methylsulfonyl)ethylamine N-acetyl-L-leucine salt	608141-43-1	Apremilast Intermediate
133	2-Bromo-5-tosyl-5H-pyrrolo[2,3-b]pyrazine	1201186-54-0	Intermediate of Upadacitinib
134	5-bromo-3-((trimethylsilyl)ethynyl)pyrazin-2-amine	875781-41-2	Intermediate of Upadacitinib
135	Carbamic acid,N-[5-[(4-methylphenyl)sulfonyl]-5H-pyrrolo[2,3-b]pyrazin-2-yl]-,ethyl este	1869118-24-0	Intermediate of Upadacitinib
136	5-(2-Fluorophenyl)-1H-pyrrole-3-carbaldehyde	881674-56-2	Intermediate of Vonoprazan
137	5-(2-Fluorophenyl)-1H-pyrrole-3-carbonitrile	1240948-77-9	Intermediate of Vonoprazan
138	pyridine-3-sulfonyl chloride	16133-25-8	Intermediate of Vonoprazan
139	1H-Pyrrole-3-carboxaldehyde, 5-(2-fluorophenyl)-1-(3-pyridinylsulfonyl)-	881677-11-8	Intermediate of Vonoprazan
140	4-Bromo-3-(1,3-dioxolan-2-yl)phenol	1160182-44-4	Intermediate of Crisaborole
141	4-[4-Bromo-3-(1,3-dioxolan-2-yl)phenoxy]benzonitrile	1217366-74-9	Intermediate of Crisaborole
142	4-(4-Bromo-3-formyl-phenoxy)-benzonitrile	906673-54-9	Intermediate of Crisaborole
143	4-(4-bromo-3-(hydroxymethyl)phenoxy)benzonitrile	906673-45-8	Intermediate of Crisaborole
144	4-(4-bromo-3-(((tetrahydro-2H-pyran-2-yl)oxy)methyl)phenoxy)benzonitrile	943311-78-2	Intermediate of Crisaborole
145	Diethyl 1,3-acetonedicarboxylate	105-50-0	Intermediate of strontium ranelate for the treatment of osteoporosis



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146	3,4-Dihydroxybenzophenone	10425-11-3	Pharmaceutical intermediates
147	3 5-DIMETHYL-4-METHOXYBENZONITRILE 97	152775-45-6	Pharmaceutical intermediates
148	(3S)-(7-Bromo-2-oxo-5-pyridin-2-yl-2,3-dihydro-1H-benzo[e][1,4]diazepin-3-yl)-propionic acid Methyl ester	308242-23-1	Pharmaceutical intermediates
149	5-Chloro-2-nitropyridine	52092-47-4	Pharmaceutical intermediates
150	4,4-Dimethyl-3,5,8-trioxabicyclo[5,1,0]Octane	57280-22-5	Pharmaceutical intermediates
151	2(3H)-Benzoxazolone,7-amino-(9CI)	81282-60-2	Pharmaceutical intermediates