



## DALIAN RICHON CHEM CO., LTD.

### INTERMEDIATES LIST

No.	Chemical Name	CAS NO.	Usage
1	Trans-4-(4-Chlorophenyl)cyclohexanecarboxylic acid	49708-81-8	Atovaquone Intermediate
2	Trans-1,4-Dibromo-2-butene	821-06-7	Aliskiren Intermediate
3	(R)-4-Benzyl-2-oxazolidinone	102029-44-7	
4	[[[1S,3S]-3-[[4-Methoxy-3-(3-methoxypropoxy)phenyl]methyl]-4-methyl-1-[(2S,4S)-tetrahydro-4-(1-methylethyl)-5-oxo-2-furanyl]pentyl]carbamic Acid 1,1-tert-Butyl Ester	866030-35-5	
5	1,4-Dichlorophthalazine	4752-10-7	Vatalanib Dihydrochloride And Dihydralazine sulphate Intermediate
6	Prasterone Acetate	853-23-6	<b>Abiraterone Acetate Intermediate</b>
7	17-Iodoandrosta-5,16-dien-3beta-ol	32138-69-5	
8	17-Iodoandrosta-5,16-dien-3beta-acetate ester	114611-53-9	
9	Abiraterone	154229-19-3	
10	4-Amino-5-ethylsulfonyl-2-methoxybenzoic acid	71675-87-1	Amisulpride Intermediate
11	(+)-(R)-4-propyl-4,5-dihydrofuran-2(3H)-one	63095-51-2	Brivaracetam Intermediate
12	2-(1-methylpyrrolidin-2-yl)ethanol	67004-64-2	Clemastine
13	1-(4-chloro-phenyl)-1-phenyl-ethanol	59767-24-7	
14	3-[(3-amino-4-methylamino-benzoyl)-Pyridin-2-yl-amino]-propionic acid ethyl ester	212322-56-0	<b>Dabigatran Intermediate</b>
15	3-[[[2-[[[4-Cyanophenyl]amino]methyl]-1-methyl-1H-benzimidazol-5-yl]carbonyl]pyridin-2-ylamino]propionic acid ethyl ester	211915-84-3	
16	N-[[[2-[[[4-(Aminoiminomethyl)phenyl]amino]methyl]-1-methyl-1H-benzimidazol-5-yl]carbonyl]-N-(2-pyridinyl)-beta-alanine ethyl ester hydrochloride	211914-50-0	
17	N-(4-CYANO-PHENYL)-GLYCINE	42288-26-6	Darifenacin Intermediate
18	5-(2-bromoethyl)-2,3-dihydrobenzofuran	127264-14-6	
19	2,2-Diphenyl-2-[(3S)-pyrrolidin-3-yl]acetamide L-(+)-tartrate	134002-26-9	
20	UTP: Uridine 5'-Triphosphate tetrasodium	19817-92-6	Diquafosol Intermediate
21	UDP: Uridine 5'-diphosphoglucose disodium salt	27821-45-0	Dronedarone intermediate
22	(2-butyl-5-nitro-3-benzofuranyl)(4-hydroxyphenyl)-Methanone	141645-16-1	
23	2-butyl-5-nitro-Benzofuran	133238-87-6	
24	6β,7β:15β,16β-DiMethylene-5β-hydroxy-3-oxo-17-pregnane-21,17-carbolactone	197721-70-3	Drospirenone Intermediate
25	3β,5-Dihydroxy-15β,16β-methylene-pregn-6-ene-17-one	82543-15-5	
26	15β,16β-dimethylene-5β-androstan-17-one	82543-16-6	

47	Ethyl (E)-4,4-dimethoxybut-2-enoate	114736-25-3	Minodronic acid Intermediate
48	Ethyl trans -4-oxo-2-butenoate	2960-66-9	
49	Ethyl 2-(Imidazo[1,2-a]pyridine-3-yl)-acetate	101820-69-3	
50	Imidazo [1,2-A]Pyridin -3-yl-acetic acid	17745-04-9	
51	1-(2-methoxyphenyl)-Piperazine, hydrobromide (1:1)	100939-96-6	<b>Naftopidil intermediate</b>
52	Methyl 3-aminocrotonate	14205-39-1	Nicardipine
53	(E)-3 $\alpha$ -hydroxy-6-ethylidene-7-keto-5 $\beta$ -cholan-24-oic acid	1516887-33-4	Obeticholic acid Intermediate
54	6,11-dihydro-11-oxo-dibenz[b,e]oxepin-2-acetic acid	55453-87-7	<b>Olopatadine Intermediate</b>
55	[3-(dimethylamino)propyl]triphenylphosphonium bromide hydrobromide	27710-82-3	
56	5-Methyl-2(1H)pyridinone	1003-68-5	
57	4-amino-7-iodopyrrolo[2,1-f][1,2,4]triazine	1770840-43-1	Remdesivir Intermediate
58	PYRROLO[1,2-F][1,2,4]TRIAZIN-4-AMINE	159326-68-8	
59	N-[(S)-(4-nitrophenoxy)phenoxyphosphinyl]-L-Alanine 2-ethylbutyl ester	1354823-36-1	
60	2-ethylbutyl ((S)-(perfluorophenoxy)(phenoxy)phosphoryl)-L-alaninate	1911578-98-7	
61	7-bromopyrrolo[1,2-f][1,2,4]triazin-4-amine	937046-98-5	
62	(S)-2-ethylbutyl 2-aminopropanoate hydrochloride	946511-97-3	
63	3-(1-(Dimethylamino)ethyl)phenol	105601-04-5	Rivastigmine Intermediate
64	3-[(1s)-1-(dimethylaminoethyl)]phenol	139306-10-8	
27	Tert-Butyl(1R,2S,5S)-2-azido-5-[(dimethylamino)carbonyl]cyclohexylcarbamate oxalic acid	1353893-22-7	Edoxaban Intermediate
28	tert-butyl N-[(1R,2S,5S)-2-amino-5-(dimethylcarbamoyl)cyclohexyl]carbamate	1210348-34-7	
29	(1S,3R,4R)-3-(Boc-amino)-4-hydroxy-cyclohexanecarboxylic acid ethyl ester	365997-33-7	
30	N-(5-Chloropyridin-2-yl)oxalamic acid ethyl ester	349125-08-2	
31	4,5,6,7-tetrahydro-5-Methyl-Thiazolo[5,4-c]pyridine-2-carboxylic acid hydrochloride	720720-96-7	
32	Cyclopropyl Acetylene	6746-94-7	Efavirenz Intermediate
33	3,6-difluoro-2-pyrazinecarbonitrile	356783-28-3	<b>Favipiravir Intermediate</b>
34	Diethyl aminopropanedioate hydrochloride	259793-88-9	
35	Diethyl aminopropanedioate hydrochloride	13433-00-6	
36	Ethyl 2-(3-Formyl-4-Hydroxyphenyl)-4-Methyl thiazole-5-Carboxylate	161798-01-2	<b>Febuxostat Intermediate</b>
37	Ethyl 2-(3-cyano-4-isobutoxyphenyl)-4-methyl-5-thiazolecarboxylate	160844-75-7	
38	1,3-Dihydro-7,8-dimethoxy-2H-3-benzazepin-2-one	73942-87-7(DMF)	Ivabradine HCl Intermediate
39	3,4-Dimethoxybicyclo[4.2.0]octa-1,3,5-triene-7-carbonitrile	35202-54-1	
40	(7S)-3,4-Dimethoxy-N-methyl Bicyclo[4.2.0]octa-1,3,5-triene-7-methanamine hydrochloride	866783-13-3(DMF)	
41	2,6-Dioxopiperidine-3-ammonium chloride	24666-56-6	Lenalidomide Intermediate
42	Methyl 2-bromomethyl-3-nitrobenzoate	98475-07-1	
43	3-(4-Nitro-1-oxo-1,3-dihydroisoindol-2-yl)piperidine-2,6-dione	827026-45-9	
44	Cyclopropyl Bromide	4333-56-6	Lesinurad Intermediate
45	3-Pyridinol,2-ethyl-6-methyl-, hydrochloride (1:1)	13258-59-8	Mexidole Intermediate
46	(2E)-4,4-Dimethoxybut-2-enoic acid ethyl ester	127464-43-1	

65	5-[(2R)-2-Aminopropyl]-1-[3-(benzyloxy)propyl]-2,3-dihydro-1H-indole-7-carbonitrile (2R,3R)-2,3-dihydroxybutanedioate	239463-85-5	<b>Silodosin Intermediate</b>
66	2-[2-(2,2,2-Trifluoroethoxy)phenoxy]ethyl methanesulfonate	160969-03-9	
67	4-chloro pyrrolo (2,3-D)pyrimidine	3680-69-1	Tofacitinib Intermediate
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69	2-Methoxy-5-methyl-N,N-bis(1-methylethyl)-gamma-phenylbenzenpropanamine fumarate	124935-89-3	Tolterodine Intermediate
70	3,20-Bis(ethylenedioxy)-19-norpregna-5(10)9(11)dien-17-ol	54201-84-2	Ulipristal Intermediate
71	Tetra-Benzyl-Voglibose	115250-39-0	Voglibose Intermediate
72	Pyridine-3-sulfonyl chloride	16133-25-8	Vonoprazan Intermediate
73	5-(2-Fluorophenyl)-1H-pyrrole-3-carboxaldehyde	881674-56-2	
74	3-(6-chloro-5-fluoro pyrimidin-4-yl)-2 (2,4-difluoro phenyl) -1-(1H-1,2,4 triazol-1-yl)-butane-2-ol hydrochloride	188416-20-8	<b>Voriconazole Intermediate</b>
75	(αR,βS)-rel-6-chloro-α-(2,4-difluorophenyl)-5-fluoro-β-methyl-α-(1H-1,2,4-triazol-1-ylmethyl)-4-Pyrimidineethanol, hydrochloride (1:1)	1217823-67-0	
76	4-chloro-6-ethyl-5-fluoro-Pyrimidine	137234-74-3	
77	4-(1-bromoethyl)-6-chloro-5-fluoro-Pyrimidine	188416-28-6	
78	Dehydroepiandrosterone(DHEA)/Prasterone	53-43-0	Series of steroid API Intermediate
79	Estrone	53-16-7	
80	Ethylene deltenone	5571-36-8	
81	2-[(1-Naphthyloxy)methyl]oxirane	2461-42-9	Propranolol Intermediate
82	2-Chlorobenzaldehyde	89-98-5	Fine Chemical
83	Gallic Acid	149-91-7	Fine Chemical
84	Phenazine	92-82-0	Fine chemical
85	Cyclohexylboronic acid	4441-56-9	Fine chemical
86	1,4-Dioxa-8-azaspiro[4.5]decane	177-11-7	Fine chemical
87	Bis(tricyclohexylphosphine)nickel(II) chloride	19999-87-2	Fine chemical
88	4-PYRAZOLEBORONIC ACID PINACOL ESTER	269410-08-4	Fine chemical
89	Methyl 2-hydroxy-4-iodobenzoate	18179-39-0	Fine chemical
90	2-OCTYNE; Methyl-N-Pentylacetylene	2809-67-8	Fine chemical
91	2-Amino-5-chloropyridine	1072-98-6	Fine chemical