

# Carboxylic Acids and Derivatives



Carboxylic acids are organic compounds that contain a carboxyl group and are Brønsted-Lowry acids. Carboxylic acids, being polar in nature, have a tendency of forming a dimeric pair in non-polar media. This polarity results from the presence of a strongly polarized carbonyl (C=O) group and hydroxyl (O-H) group, and the dipoles present in carboxylic acids allow these compounds to participate in energetically favorable hydrogen bonding. Carboxylic acids can exist as aliphatic carboxylic acids, aromatic carboxylic acids, and thiocarboxylic acids. There are wide ranges of carboxylic acid derivatives, which include esters, amides, acid chlorides, anhydrides, and imides. Carboxylic acids can be converted into amines and aldehydes via esters or amides (such as Weinreb amides).

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# Carbamyl Chlorides



Carbamyl chlorides, also referred to as carbamoyl chlorides, have the functional group R<sub>2</sub>NC(=O)Cl. When compared to acid chloride, these compounds are less sensitive hydrolytically largely due to the influence of amino group. Carbamoyl chlorides are useful reagents for the preparation of a number of agricultural compounds. For instance they are useful intermediates in the preparation of herbicides such as thiolcarbamate which involve their reaction with thiols. In the field of pharmaceuticals, N-ethyl-N-methylcarbamoyl chloride and N,N-diethylcarbamoyl chloride have been used in the preparation of parasympathomimetic and antifilarial drugs respectively, as intermediates. Besides pharmaceuticals, they also find application in the production of dyes and peroxides.



L03415 Dimethylcarbamyl chloride, 96%



44804 Ethyl carbamate, 98%



B21487 N-Carbamoylmaleamic acid, 98%

# Carboxylic Anhydrides



Carboxylic anhydrides or acid anhydrides are any class of organic compounds that have an -C(=O)-O-C(=O)- functional group. Anhydrides can be thought of as an oxygen atom flanked by two acyl groups. Anhydrides may be symmetrical or unsymmetrical (mixed) depending on the nature of the acyl groups present.

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	L14370	3,4,9,10-Perylenetetracarboxylic dianhydride, 98%
	H32900	3,4-Dichlorobenzoic anhydride, 95%
	H32739	3-Methylbenzoic anhydride, 97%
	H33779	3-Trifluoromethylbenzoic anhydride, 97%
	H32503	4-Dimethylaminobenzoic anhydride, 97%
	H33527	4-Fluorobenzoic anhydride, 97%
	H33951	4-Methylbenzoic anhydride, 97%
	H32422	4-tert-Butylbenzoic anhydride, 95%
	H34480	4-Trifluoromethylbenzoic anhydride, 97%
	36292	Acetic anhydride, ACS, 97+%
	B24397	Betaine, anhydrous, 98%
	A19632	Bicyclo[2.2.2]oct-7-ene-2,3,5,6-tetracarboxylic dianhydride, 97%
	L07349	Chlorendic anhydride, 95%, may cont. up to 3% chlorendic acid
	L02798	Hexafluoroglutaric anhydride, 97%
	A17618	L-Carnitine, 98+%
	41771	Phthalic anhydride, ACS, 99.0-100.2%
	45788	Pyromellitic dianhydride, 98%
	44363	(R)-(+)-2-Acetoxysuccinic anhydride, 98%

# Carbonate Esters



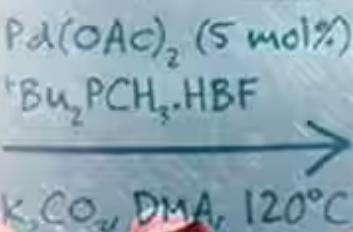
Carbonate esters are any class of organic compounds that have  $-O-C(=O)-O-$  functional groups. In general, esters of carbonic acid are referred to as carbonate esters. Cyclic carbonate esters can be considered as protected forms of 1,2-diols. Owing to a wide liquid temperature range, many of them find application as solvents. For instance, propylene carbonate has a melting point of  $-55^{\circ}\text{C}$  while its boiling point is  $240^{\circ}\text{C}$ . They are biodegradable and figure low on ecotoxicity and are often considered *green solvents*. Being highly polar in nature, they can dissolve lithium salts and hence, are used as solvents in lithium batteries.

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	H60466	4-Nitrophenyl 2-(trimethylsilyl)ethyl carbonate, 95%
	B22297	9-Fluorenylmethyl pentafluorophenyl carbonate, 98%
	L12825	Bis(2-methoxyphenyl) carbonate, 98%
	A18702	Bis(4-methoxyphenyl) carbonate, 97%
	L00290	Bis(4-nitrophenyl) carbonate, 98%
	A11464	Dibenzyl carbonate, 98%
	A12477	Diethyl carbonate, 99%
	B22753	Diethyl dicarbonate, 97%
	B20414	Dimethylallyl carbonate, 97%
	A13104	Dimethyl carbonate, 99%
	A12362	Diphenyl carbonate, 99%
	A14708	Di-tert-butyl dicarbonate, 97+%
	H32441	Ethyl 2,2,3,3,3-pentafluoropropyl carbonate, 97%
	H32657	Methyl 2,2,3,3-tetrafluoropropyl carbonate, 99%

	L15314	Methyl isopropyl carbonate, 97%
	L16107	Methyl pentafluorophenyl carbonate, 97%
	B25232	Methyl phenyl carbonate, 97%
	H26629	N,N'-Disuccinimidyl carbonate, tech. 85%, remainder N-Hydroxysuccinimide
	A15552	Propylene carbonate, 99%
	H60867	tert-Butyl phenyl carbonate, 97%
	A17835	Tetraethyl orthocarbonate, 97+%
	H66617	Tetramethyl orthocarbonate, 95%
	41400	Vinyleno carbonate, 97+%, stab. with BHT

# Carboxylic Esters and Lactones



Carboxylic esters are organic compounds that have  $-C(=O)OR$  functional groups (R is alkyl or aryl). They are carboxylic acid groups in which the hydroxyl is replaced by an alkoxy or aryloxy groups. Esters are polar compounds and participate in hydrogen bonding as hydrogen-bond acceptors conferring partial water-solubility behavior. Ethyl acetate is a commonly used in laboratory and industrial solvents for reactions, work up and purification. In organic synthesis, esters are commonly used to prepare acids, amides, and alcohols. They are starting materials for the Claisen condensation, Dieckmann condensation, trans-esterification and Fries rearrangement. They are also employed as protecting groups for carboxylic acids during organic synthesis. Fatty acid esters of glycerol occur naturally as fats and oils. Saponification of esters is a route to synthesis of soap. Esters are generally endowed with a distinctive fruit-like odor which led to their wide-spread use & research as artificial flavoring and fragrance agents.

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	H34037	10-(Pentafluorophenoxy carbonyl) decyltriethoxysilane, 95%
	H34117	10-(Pentafluorophenoxy carbonyl) decyltrimethoxysilane, 95%
	L12128	1,1,1,3,3,3-Hexafluoroisopropyl acrylate, 98%, stab. with 5 0ppm 4-methoxyphenol
	B21447	1,1,1,3,3,3-Hexafluoroisopropyl methacrylate, 99%, stab.
	A14503	1,2,3-Triacetoxybenzene, 98%
	B24208	1,2,4-Triacetoxybenzene, 97%
	H52202	1,3-Bis(5-ethoxycarbonyl-4-methyl-2-thiazolyl)benzene, 97%
	A11547	1,3-Diacetoxybenzene, 97%
	H33504	1-(3-Ethoxycarbonylphenyl)pyrrole, 98%
	H26813	1,4,7,10-Tetrakis[2-(ethoxycarbonyl)ethyl]-1,4,7,10-tetraazacyclododecane
	H26736	1,4,7-Tris(tert-butoxycarbonylmethyl)-1,4,7,10-tetraazacyclododecane
	H26755	1,4,8,11-Tetrakis(ethoxycarbonylmethyl)-1,4,8,11-tetraazacyclotetradecane
	H52163	1,4-Bis(5-ethoxycarbonyl-4-methyl-2-thiazolyl)benzene, 97%
	32780	1,4-Butanediol diacrylate, 85+%, stab. with 50-105 ppm hydroquinone

	A18182	1,4-Diacetoxy-2-butyne, 97%
	B20987	1,4-Diacetoxybenzene, 98%
	A16978	1,4-Diacetoxybutane, 98%
	B20537	1,5-Diacetoxypentane, 98%
	B21531	1,6-Diacetoxylhexane, 98%
	43203	1,6-Hexanediol diacrylate, 99%, stab.
	H26293	1,7-Bis(tert-butoxycarbonylmethyl)-1,4,7,10-tetraazacyclododecane
	B20242	1-Acetoxy-2-methoxybenzene, 98%
	H53511	1-Acetoxy-4-diethylamino-2-butyne, 98%
	A13542	1-Benzyl-3-ethoxycarbonyl-4-piperidone hydrochloride hydrate, 97%, ca 10% water
	L07472	1-Benzyl-4-ethoxycarbonyl-3-piperidone hydrochloride, tech. 90%
	L15538	1-Benzyl-4-(ethoxycarbonylmethyl)piperazine, 98%
	H63763	1-Boc-2,6-diazaspiro[3.3]heptane hemioxalate, 97%
	H55302	1-Boc-4-(2-methoxycarbonylphenyl)piperazine, 97%
	B25393	1-Boc-isonipecotic acid ethyl ester, 97+%
	L14197	1-Chloroethyl chloroformate, 98%
	L04970	1-Cyclohexenyl acetate, 96%
	A18305	(1-Ethoxycarbonylcyclopropyl)triphenylphosphonium tetrafluoroborate, 98%
	A15619	(1-Ethoxycarbonylethylidene)triphenylphosphorane, 97%

	A13023	(1-Ethoxycarbonylethyl)triphenylphosphonium bromide, 97%
	H59277	1-Ethyl-3-methylimidazolium acetate, 97%
	L16488	1H,1H,11H-Perfluoroundecyl acrylate, tech. 85%, stab. with ca 50ppm 4-methoxyphenol
	L16489	1H,1H,11H-Perfluoroundecyl methacrylate, 95%
	L11993	1H,1H,2H,2H-Perfluorodecyl acrylate, 96%, stab. with 100ppm 4-methoxyphenol
	L16482	1H,1H,7H-Dodecafluoroheptyl acrylate, 97%, stab. with 50ppm 4-methoxyphenol
	L16603	1H,1H-Perfluoroctyl acrylate, 97%, stab. with 50ppm 4-methoxyphenol
	L10440	1H,1H-Perfluoroctyl methacrylate, 97%
	A17482	1-Naphthyl acetate, 99%
	B23221	1-Naphthyl butyrate, 98+%
	L14095	(1R)-(-)-Menthyl acetate, 98%
	L19208	(1R)-(-)-Menthyl glyoxylate monohydrate, 98%
	H52747	(1S,3R)-cis-3-(Methoxycarbonyl)cyclopentane-1-carboxylic acid, 97%
	L19785	(1S)-(+)-Menthyl glyoxylate monohydrate, 98%
	B22133	1-(Trifluoromethyl)vinyl acetate, 97%
	L06875	2,2,2-Trichloroethyl chloroformate, 97%
	L16871	2,2,2-Trifluoroethyl acetate, 97%

	A18235	2,2,2-Trifluoroethyl acrylate, 98%, stab. with 200ppm 4-methoxyphenol
	A17012	2,2,2-Trifluoroethyl methacrylate, 98%, stab. with 30-50 ppm 4-methoxyphenol
	A18283	2,2,2-Trifluoroethyl trifluoroacetate, 97+%
	L10343	2,2,3,3,3-Pentafluoropropyl acrylate, 97%
	B24340	2,2,3,3,3-Pentafluoropropyl methacrylate, 97%, stab.
	L10400	2,2,3,3,4,4,4-Heptafluorobutyl acrylate, 97%, stab. with 100 ppm 4-methoxyphenol
	L12922	2,2,3,3,4,4,4-Heptafluorobutyl methacrylate, 97%, stab.
	L12044	2,2,3,3,4,4,5,5-Octafluoropentyl methacrylate, 98%, stab.
	B22682	2,2,3,3-Tetrafluoropropyl methacrylate, 97%, stab. with 50ppm 4-methoxyphenol
	L09543	2,2,3,4,4,4-Hexafluorobutyl methacrylate, 96%, stab.
	40366	2,2,4-Trimethyl-1,3-pentanediol 1-monoisobutyrate
	A17667	2,2,5,5-Tetramethyl-3-pyrrolin-1-oxyl-3-carboxylic acid N-hydroxysuccinimide ester, 98+%
	A16065	2-(2-n-Butoxyethoxy)ethyl acetate, 98%
	L13582	2,3-Dihydro-5H-1,4-benzodioxepin-5-one, 98%
	H51932	2-([4-(Ethoxycarbonyl)phenyl]dimethylsilyl)benzyl alcohol, 95%
	B21867	2-(4-Methyl-5-thiazolyl)ethyl acetate, 98+%
	B23156	2,5-Diacetoxytoluene, 97%
	L01649	2-Acetamidoacrylic acid, 97+%

	L15652	2-Acetoxyacetophenone, 98%
	L02849	2-Acetoxybenzoic acid, predominantly trans, 98+%
	L11592	2-Acetoxyisobutyryl bromide, 96%
	L00957	2-Acetoxyisobutyryl chloride, 98%
	H53234	2-Amino-4-(methoxycarbonyl)benzeneboronic acid hydrochloride, 95%
	H53220	2-Amino-4-(methoxycarbonyl)benzeneboronic acid pinacol ester hydrochloride, 95%
	H26550	2-Aminoisobutyric acid methyl ester hydrochloride, 99%
	L12502	2-Bromoethyl acrylate, 94%, stab. with 900-1500ppm 4-methoxyphenol
	H52963	2-Chloro-4-(ethoxycarbonyl)benzeneboronic acid, 98%
	H53031	2-Chloro-5-(ethoxycarbonyl)benzeneboronic acid, 98%
	H52999	2-Chloro-5-(methoxycarbonyl)benzeneboronic acid, 98%
	L09783	2-Chloroethyl methacrylate, 97%, stab. with 400-600ppm hydroquinone
	A17485	2-Diethylaminoethyl 4-aminobenzoate hydrochloride, 99%
	L13506	2-(Dimethylamino)ethyl acrylate, 98%, stab. with ca 0.1% 4-methoxyphenol
	L13507	2-(Dimethylamino)ethyl methacrylate, 97%, stab. with ca 0.2% 4-methoxyphenol
	A13724	2-Ethoxy-1-ethoxycarbonyl-1,2-dihydroquinoline, 99%
	H52897	2-(Ethoxycarbonyl)benzeneboronic acid 1,3-propanediol ester, 95%
	H25867	2-(Ethoxycarbonyl)benzeneboronic acid, 98%

	H52312	2-(Ethoxycarbonyl)furan-5-boronic acid pinacol ester, 96%
	L12569	2-(Ethoxycarbonyl)phenyl isothiocyanate, 98+%
	A13639	2-Ethoxyethyl acetate, 98+%
	L05516	2-Ethylbutyl acetate, 97%
	H54136	2-Ethylhexyl 4-dimethylaminobenzoate, 99%
	B23257	2-Ethylhexyl acetate, 99%
	L03854	2-Ethylhexyl acrylate, 98%, stab.
	42303	2-Ethylhexyl methacrylate, 98%, stab. with 4-methoxyphenol
	H62362	2-Fluoro-3-formylbenzeneboronic acid pinacol ester, 96%
	H52971	2-Fluoro-4-(methoxycarbonyl)benzeneboronic acid, 98%
	H59778	2-Fluoro-4-(methoxycarbonyl)benzeneboronic acid pinacol ester, 96%
	H59738	2-Fluoro-4-(methoxycarbonylmethyl)benzeneboronic acid pinacol ester, 96%
	H53249	2-Fluoro-5-(methoxycarbamoyl)benzeneboronic acid, 98%
	H52900	2-Fluoro-5-(methoxycarbonyl)benzeneboronic acid, 97%

	H62786	2-Fluoro-5-(methoxycarbonylmethyl)benzeneboronic acid pinacol ester, 96%
	B24815	2-Hydroxyethyl acrylate, 97%, stab. with 200-300ppm 4-methoxyphenol
	B24260	2-Hydroxyethyl methacrylate, 97%, stab. with 4-methoxyphenol
	H25840	2-(Methacryloyloxy)ethyl 3,5-diaminobenzoate, 99%
	H30745	2-(Methacryloyloxy)ethyl 3,5-dinitrobenzoate, 97%
	L13523	2-(Methacryloyloxy)ethyltrimethylammonium chloride, 72% aq. soln., stab. with 150-200 ppm 4-methoxyphenol
	L17958	2-(Methoxycarbonyl)benzeneboronic acid, 97%
	A13553	2-(Methoxycarbonyl)benzenesulfonamide, 98%
	L11902	2-Methoxyethyl acrylate, 98%, stab. with ca 50-100ppm 4-methoxyphenol
	H25937	2-Methoxyethyl chloroformate, tech. 85%
	L08544	2-Methoxyphenyl benzoate, 99%
	A18487	2-Naphthyl acetate, 99%
	H51047	2-Naphthyl methacrylate, 95%
	L09515	2-n-Butoxyethyl acetate, 98%
	H37004	2-Octyl cyanoacetate, 97+%
	L12120	2-Phenoxyethyl acrylate, tech. 85%, stab. with 4-methoxyphenol
	B21238	2-Phenylethyl acetate, 98%
	B21283	2-Phenylethyl propionate, 97%

	B23381	2-Sulfobenzoic acid hydrate, 98%
	H52957	2-(tert-Butoxycarboxy)benzeneboronic acid pinacol ester, 95%
	H52631	2-(trans-3-Methoxy-3-oxo-1-propen-1-yl)benzeneboronic acid, 95%
	L16675	2-(Trimethylsiloxy)ethyl methacrylate, 94%, stab. with 4-methoxyphenol
	46539	3-(2,2,3-Trimethylnorborn-5-yl)cyclohexyl acrylate
	H53268	3-[2-(Ethoxycarbonyl)ethyl]benzeneboronic acid, 97%
	H66350	3-[2-(Ethoxycarbonyl)ethyl]benzeneboronic acid pinacol ester, 97%
	H52542	3-(2-Methoxycarbonylethyl)benzeneboronic acid, 97%
	A18958	3,3-Dimethylallyl acetate, 98%, stab. with 0.1% alpha tocopherol
	H52539	3-[(3-Ethoxy-3-oxopropyl)carbamoyl]benzeneboronic acid, 97%
	H64472	3,5-Bis(methoxycarbonyl)benzeneboronic acid, 97%
	L13441	3,5-Diacetoxybenzoic acid, 97%
	L19700	3-Acetoxy-1-propenylboronic acid pinacol ester, 97%
	L06927	3-Acetoxy-2-butanone, 98%
	L18719	3-Acetoxy-2-methylbenzoic acid, 99%
	L13126	3-Acetoxybenzo[b]furan, 98%
	H54037	3-Acetoxybenzonitrile, 97%
	H52199	3-(Acetoxymethyl)thiobenzamide, 97%

	L16400	3-(Acryloyloxy)propyltrimethoxysilane, 94%, stab. with 100ppm BHT
	H52904	3-Amino-5-(methoxycarbonyl)benzeneboronic acid hydrochloride, 97%
	H52870	3-Amino-5-(methoxycarbonyl)benzeneboronic acid pinacol ester hydrochloride, 95%
	L16086	(3-Bromo-2,4,6-trimethylphenylcarbamoyl)methyliminodiacetic acid, 98+%
	H53240	3-Bromo-5-(ethoxycarbonyl)benzeneboronic acid, 97%
	H53223	3-Bromo-5-(methoxycarbonyl)benzeneboronic acid, 96%
	H51718	3-Bromo-5-(methoxycarbonyl)benzeneboronic acid pinacol ester, 97%
	H52896	3-Chloro-4-(ethoxycarbonyl)benzeneboronic acid, 98%
	H53271	3-Chloro-4-(methoxycarbonyl)benzeneboronic acid, 97%
	B25013	3-Chloropropyl acetate, 97+%
	H52528	3-Ethoxycarbonyl-4-fluorobenzeneboronic acid, 98%
	H26615	3-(Ethoxycarbonyl)benzeneboronic acid, 97%
	L09495	3-(Ethoxycarbonyl)phenyl isocyanate, 97%
	H52510	3-Fluoro-4-(methoxycarbonyl)benzeneboronic acid, 97%

	H62951	3-Fluoro-4-(methoxycarbonylmethyl)benzeneboronic acid pinacol ester, 96%
	H53084	3-Fluoro-5-(methoxycarbonyl)benzeneboronic acid, 95%
	L13465	3-Fluorophenyl acetate, 98%
	L04932	3-Indoxyl acetate, 97%
	H52758	3-(Isopropoxycarbonyl)benzeneboronic acid, 98%
	H61536	3-Maleimidopropionic acid, 95%
	H27329	3-Maleimidopropionic acid N-hydroxysuccinimide ester, 99%
	A17714	3-(Methacryloyloxy)propyltrimethoxsilane, 97%
	L16682	3-(Methacryloyloxy)propyltris(trimethylsiloxy)silane, 98%
	H52935	3-Methoxycarbonyl-5-nitrobenzeneboronic acid, 98%
	H27444	3-(Methoxycarbonyl)benzeneboronic acid, 97%
	H51916	3'-(Methoxycarbonyl)biphenyl-4-boronic acid pinacol ester, 95%
	L18709	3-(Methoxycarbonyl)phenyl isocyanate, 97%
	L10476	3-(Methoxycarbonyl)phenyl isothiocyanate, 99%
	H34393	3-(Methylthio)propyl hexanoate, 98%
	H33285	3-(Methylthio)propyl mercaptoacetate, 97%
	H52466	3-(n-Propoxycarbonyl)benzeneboronic acid, 97%
	B20878	3-Phenyl-1-propyl acetate, 98%

	B24154	3-Sulfobenzoic acid disodium salt monohydrate, 97%
	B23556	3-Sulfobenzoic acid monosodium salt, 97%
	H53007	3-(tert-Butoxycarbonyl)benzeneboronic acid, 98%
	H52446	3-(tert-Butoxycarboxy)benzeneboronic acid, 97%
	H52755	3-(trans-3-Ethoxy-3-oxo-1-propen-1-yl)benzeneboronic acid, 98%
	H51130	4-(2-Cyano-3-ethoxy-3-oxo-1-propen-1-yl)benzeneboronic acid pinacol ester, 97%
	H52669	4-(2-Ethoxy-2-oxoethoxy)benzeneboronic acid, 98%
	H52640	4-[2-(Ethoxycarbonyl)ethyl]benzeneboronic acid, 96%
	H64050	4-(2-Methoxyethoxy)benzeneboronic acid, 95%
	H28086	4-(3-Ethoxycarbonyl-1-piperidinylcarbonyl)benzeneboronic acid pinacol ester, 98%
	H51858	4-(4-Acetoxyphenyl)-2-aminothiazole, 97%
	B21403	4,4'-Diacetoxybiphenyl, 97%
	H54402	4-[4-(Dimethylamino)phenylazo]benzoic acid N-succinimidyl ester, 98+%
	H51900	4-([4-(Methoxycarbonyl)phenyl]ethynyl)benzeneboronic acid pinacol ester, 95%
	L14167	4,5-Dimethoxy-2-nitrobenzyl chloroformate, 97%
	H50488	4-Acetoxy-3-ethoxybenzaldehyde, 99%
	H52879	4-Acetoxybenzeneboronic acid, 97%
	A11350	4-Acetoxybenzoic acid, 98+%

	H54358	4-Acetoxybenzonitrile, 97%
	A12166	4-Acetoxybiphenyl, 98%
	A12979	4-Acetoxybenzoic acid, predominantly trans, 98+%
	H52966	4-Acetoxybenzeneboronic acid, 97%
	H52210	4-(Acetoxyethyl)thiobenzamide, 97%
	L11601	4-Acetoxyacetophenone, 95%, stab.
	A15632	4-Bromobutyl acetate, 97%
	H53153	4-Chloro-2-(ethoxycarbonyl)benzeneboronic acid, 95%
	H52668	4-Chloro-3-(ethoxycarbonyl)benzeneboronic acid, 96%
	H52854	4-Chloro-3-(methoxycarbonyl)benzeneboronic acid, 98%
	B22582	4-Chlorobutyl acetate, 98%
	H56272	4'-Cyano-4-biphenyl 4-n-pentylbenzoate, 99%
	H55054	4'-Cyano-4-biphenyl trans-4-ethylcyclohexanecarboxylate, 97%
	H56482	4'-Cyano-4-biphenyl trans-4-n-propylcyclohexanecarboxylate, 99%

	B22471	4-Cyanophenyl 4-n-hexylbenzoate, 99%
	B22274	4-Cyanophenyl 4-n-propylbenzoate, 99%
	H52912	4-Ethoxycarbonyl-2-nitrobenzeneboronic acid, 97%
	H52620	4-Ethoxycarbonyl-3-fluorobenzeneboronic acid, 95%
	H63095	4-(Ethoxycarbonylamino)piperidine, 97%
	H26356	4-(Ethoxycarbonyl)benzeneboronic acid, 94%
	L12522	4-(Ethoxycarbonyl)phenyl isothiocyanate, 97%
	H55537	4-Ethoxyphenyl 4-n-butylcyclohexanecarboxylate, 97%
	H56493	4-Ethoxyphenyl trans-4-(4-n-pentylcyclohexyl)benzoate, 99%
	H56418	4-Ethylphenyl trans-4-(4-n-pentylcyclohexyl)benzoate, 99%
	H62104	4-Fluoro-2-formylbenzeneboronic acid pinacol ester, 96%
	H53254	4-Fluoro-2-(methoxycarbonyl)benzeneboronic acid, 95%
	H53123	4-Fluoro-3-(methoxycarbonyl)benzeneboronic acid, 98%
	B21356	4-Fluorophenyl acetate, 97%
	H55733	4-Fluorophenyl trans,trans-4'-n-pentylbicyclohexyl-4-carboxylate, 97%
	L09350	4-Hydroxyphenyl benzoate, 98%
	H31826	4-Iodobutyl acetate, 96%, stab. with copper
	H53335	4-(Isopropoxycarbonyl)benzeneboronic acid, 98%

	L00541	4-Methoxybenzyl carbazate, 97%
	H52863	4-Methoxycarbonyl-2-nitrobenzeneboronic acid, 97%
	H53331	4-Methoxycarbonyl-3-chlorobenzeneboronic acid pinacol ester, 98%
	H53027	4-(Methoxycarbonylamino)benzeneboronic acid, 97%
	H27627	4-(Methoxycarbonyl)benzeneboronic acid, 97%
	H28942	4-(Methoxycarbonyl)benzeneboronic acid pinacol ester, 97%
	L09423	(4-Methoxycarbonylbenzyl)triphenylphosphonium bromide, 98%
	B21729	(4-Methoxycarbonylbenzyl)triphenylphosphonium chloride, 97%
	H52814	4-(Methoxycarbonyl)cyclohexane-1-carboxylic acid, 97%
	H52525	4-(Methoxycarbonylmethylcarbamoyl)benzeneboronic acid, 97%
	L10474	4-(Methoxycarbonyl)phenyl isothiocyanate, 98+%
	H55062	4-Methoxyphenyl 4-n-propylcyclohexanecarboxylate, 97%
	H55792	4-Methoxyphenyl trans-4-n-pentylcyclohexanecarboxylate, 97%
	B22318	4-Methylbenzyl acetate, 98+%
	A12147	4-Methylumbelliferyl acetate, 99%
	L10606	4-(n-Butoxycarbonyl)phenyl isocyanate, 99%
	L08058	4-Nitrobenzyl bromoacetate, 98+%
	L00314	4-Nitrophenyl acetate, 97%

	L16024	4-Nitrophenyl benzoate, 97%
	L08000	4-Nitrophenyl bromoacetate, 98%
	A18742	4-Nitrophenyl chloroformate, 97%
	L12022	4-Nitrophenyl octanoate, 96%
	L10896	4-Nitrophenyl palmitate, 98+%
	H55306	4-n-Pentylphenyl 4-n-propylbenzoate, 97%
	H27938	4-(n-Propoxycarbonyl)benzeneboronic acid, 97%
	H56495	4-n-Propoxyphenyl trans-4-n-pentylcyclohexanecarboxylate, 98%
	B20258	4-Penten-1-yl acetate, 98%
	L08732	4-Propionyloxybenzaldehyde, 95%
	A19432	4-Sulfobenzoic acid monopotassium salt, 95%
	H53198	4-(tert-Butoxycarbonyl)benzeneboronic acid, 95%
	H53357	4-(tert-Butoxycarbonyl)benzeneboronic acid pinacol ester, 97%
	H52552	4-(trans-3-Ethoxy-3-oxo-1-propen-1-yl)benzeneboronic acid, 96%

	L11189	5-Bromoindoxyl diacetate, 98+%
	A15549	5-Bromopentyl acetate, 98%
	H33891	5-Bromophthalide, 98%
	H53016	5-Chloro-2-(ethoxycarbonyl)benzeneboronic acid, 98%
	A11111	5-Chloropentyl acetate, 90+%
	H53134	5-Ethoxycarbonyl-2-fluorobenzeneboronic acid, 97%
	H52756	5-Fluoro-2-(methoxycarbonyl)benzeneboronic acid, 97%
	H53445	5-Hexenyl acetate, 97%
	H50162	5-Methyl-1,3,4-oxadiazole-2-methylamine oxalate, 99%
	A18169	5-Nitro-2-furaldehyde diacetate, 97%
	H56907	5-Norbornen-2-yl acetate, mixture of endo and exo, 98%
	L15620	6-Acetoxy-2-naphthoic acid, 98+%
	B20923	7-Methyl-4-indanyl acetate, 97%
	L13770	Abietic acid, tech. 75%
	L04295	Acetic anhydride, 99+%
	H25797	Acetoxyacetyl chloride, 97%
	L06848	Acetyl beta-methylcholine bromide, 98%
	L02168	Acetylcholine chloride, 98+%

	A11694	Acetylcholine iodide, 98%
	L18020	Allyl 4-bromobutyrate, 95%
	41353	Allyl acetate, 97%
	44463	Allyl acrylate, 95%, stab. with 4-methoxyphenol
	L11531	Allyl chloroacetate, 98%
	L03414	Allyl crotonate, 98%
	L10671	Allyl heptanoate, 97%
	A11690	Allyl trifluoroacetate, 97%
	A16343	Ammonium acetate, 97%
	A16973	Ammonium citrate tribasic, 97+%
	A10263	Ammonium oxalate monohydrate, 98%
	H26577	Ammonium trifluoroacetate, 98%
	A10594	Anisil, 98+%
	A10236	Atropine sulfate monohydrate, 97+%
	B21971	BAPTA tetraethyl ester, 98+%
	H66907	BAPTA tetramethyl ester, 99%
	B24225	Benzal diacetate, 98%
	A14269	Benzoic anhydride, 98%

	B22387	Benzoylcholine iodide, 98+%
	B24679	Benzyl 3-hydroxyphenylacetate, 98%
	H64424	Benzyl 4-aminopiperidine-1-carboxylate, 97%
	A11735	Benzyl 4-hydroxybenzoate, 99%
	L17859	Benzyl 5-amino-1H-pyrazole-4-carboxylate, 98+%
	B21807	Benzyl 6-hydroxynicotinate, 99%
	B23472	Benzyl acetate, 99%
	A14915	Benzyl acetoacetate, 97%
	43204	Benzyl acrylate, 98%, stab. with ca 150ppm 4-methoxyphenol
	L03258	Benzyl benzoate, 99+%
	A17630	Benzyl bromoacetate, 97%
	B24241	Benzyl butyrate, 98%
	A13005	Benzyl carbazate, 98+%
	A19550	Benzyl cinnamate, 99%

	L06644	Benzyl cyanoacetate, 97%
	H31126	Benzyl ethyl malonate, 96%
	B23011	Benzyl ethyl malonate, tech. 85%
	L05930	Benzyl isobutyrate, 98+%
	B24852	Benzyl isovalerate, 98%
	L14645	Benzyl L-lactate, 97%
	H59140	Benzyl methyl malonate, 95%
	B24769	Benzyl n-butyl phthalate, 98%
	A18505	Benzyl nicotinate, 98%
	B22506	(±)-Benzylloxycarbonyl-alpha-phosphonoglycine trimethyl ester, 97%
	B23186	Benzyl propionate, 99%
	H62912	Benzyl (S)-1-Boc-5-oxopyrrolidine-2-carboxylate, 98%
	A16184	Benzyl salicylate, 99%
	L15533	Benzyl tert-butyl malonate, 95%
	A19566	Benzyl tiglate, 97%
	A16122	Betaine hydrochloride, 99%
	H60873	(+)-Biotin 4-nitrophenyl ester, 98%
	H54025	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate, 98%

	L10195	Bis(2-ethylhexyl) adipate, 99%
	A10415	Bis(2-ethylhexyl) phthalate, 98+%
	A16049	Bis(2-ethylhexyl) sebacate, 95%
	A10497	Bis(2-methoxyethyl) adipate, 98%
	44089	Bis(2-methoxyethyl) phthalate, 96%
	H53378	Bis(3,5,6-trichloro-2-n-pentyloxycarbonylphenyl) oxalate, 95%
	H54880	Bis(pentafluorophenyl) carbonate, 98+%
	L15141	[Bis(trifluoroacetoxy)iodo]benzene, 97%
	H61550	Bis(triphenylphosphine)iminium trifluoroacetate, 98%
	B25421	(±)-Boc-alpha-phosphonoglycine trimethyl ester, 95%
	H56755	Bromomethyl acetate, 95%
	36338	Butyl stearate, tech.
	A12377	Butyric anhydride, 98%
	A14947	Calcium acetate hydrate, 99%
	A12358	Calcium benzoate hydrate, 98%, water <8%
	A14828	Calcium citrate tetrahydrate, 96%
	A14994	Calcium propionate hydrate, 97%
	B25204	Calcium pyruvate, 96%

	L06674	Carbachol, 98+%
	41385	Chlorhexidine digluconate, 20% w/v aq. soln., non-sterile
	A14015	Chloroacetic anhydride, 97%
	A12432	Chlorodifluoroacetic anhydride, 98+%
	L09527	Chloromethyl chloroformate, 97%
	A11967	Chloromethyl pivalate, 97%
	42700	Cholesteryl 2,4-dichlorobenzoate
	L13659	Cinnamyl anthranilate, 99%
	B21142	Cinnamyl propionate, 97%
	L13024	cis-1,4-Diacetoxy-2-butene, 96%
	A19380	cis-3-Hexenyl acetate, 98+%
	H53446	cis-5-Norbornene-exo-2,3-dicarboxylic anhydride, 95%
	A19872	Citronellyl acetate, 96%
	H64950	Copper(I) thiophene-2-carboxylate

	L12925	Cyclohexyl acrylate, 98+%, stab. with 100ppm 4-methoxyphenol
	B20695	Cyclohexyl butyrate, 99%
	B21547	Cyclohexyl hexanoate, 99%
	L01675	Cyclohexylidenecyanooacetic acid, 97%
	L10634	Cyclohexyl methacrylate, 97%, stab. with ca 50ppm 4-methoxyphenol
	H57356	D-beta-Proline, 98+%
	H57871	D-beta-Prolinol, 95%
	L15779	Dess-Martin periodinane
	L12708	Diacetin, mixed isomers, tech. ca 50%, remainder triacetin and monoacetin
	L03867	Diallyl maleate, 95%
	B24648	Diallyl phthalate, 97%
	L14629	Dibenzyl 5-aminoisophthalate, 96%
	L19347	Dibenzyl azodicarboxylate, 96%
	A10844	Dibenzyl malonate, 95%
	L04985	Dibenzyl phthalate, 97%
	B25257	Dibenzyl succinate, 98%
	H56004	Dicyclohexyl phthalate, 99+%
	46652	Dicyclopentylmethyl acrylate

	46864	Dicyclopentenyl acrylate
	B22140	Diethyl 1,1-cyclobutanedicarboxylate, 95%
	H55752	Diethyl 1,4-dihydro-2,6-dimethylpyridine-3,5-dicarboxylate, 98%
	L00465	Diethyl (1H-benzotriazol-1-yl)iminomalonate, 98%
	A11567	Diethyl 2-(2-cyanoethyl)malonate, 98+%
	H26304	Diethyl (2,4,6-trifluorophenyl)malonate, 95%
	H26330	Diethyl (2,4-dichlorophenyl)malonate, 95%
	B21374	Diethyl 2,4-dimethylpyrrole-3,5-dicarboxylate, 97%
	H26393	Diethyl (2,5-difluorophenyl)malonate, 95%
	B24456	Diethyl 2-acetylglutarate, 98+%
	A19310	Diethyl 2-amino-4-methylthiophene-3,5-dicarboxylate, 99%
	L00575	Diethyl 2-bromo-2-methylmalonate, 98%
	H26277	Diethyl (3,4-dichlorophenyl)malonate, 95%
	L14776	Diethyl (3-chloropropyl)malonate, 98%
	H31544	Diethyl 4,4-difluoropimelate, 97%
	H32891	Diethyl 4-fluoropimelate, 97%
	H34228	Diethyl 5-(2-chloroacetamido)-3-methylthiophene-2,4-dicarboxylate, 96%
	A14048	Diethyl acetamidomalonate, 98+%

	A10933	Diethyl acetone-1,3-dicarboxylate, 96%
	H64545	Diethyl acetylylsuccinate, 95%
	A11719	Diethyl acetylenedicarboxylate, 96%
	L12482	Diethyl acetylmalonate, tech. 85%
	B23744	Diethyl acetylylsuccinate, 97+%
	A11476	Diethyl adipate, 99%
	H27702	Diethyl allyl(3-phenyl-2-propynyl)malonate, 96%
	L02286	Diethyl allylmalonate, 96%
	A13681	Diethyl aminomalonate hydrochloride, 98%
	L15511	Diethyl aminomethylenemalonate, 98%
	L02371	Diethyl benzamidomalonate, 98+%
	L00561	Diethyl benzylidenemalonate, 98%
	B22890	Diethyl benzylmalonate, 97%
	B23277	Diethyl bis(2-cyanoethyl)malonate, 98+%

	A13677	Diethyl bis(hydroxymethyl)malonate, 95%
	A10965	Diethyl bromomalonate, 90+%
	H34412	Diethyl cyclohexane-1,1-dicarboxylate, 95%
	H56568	Diethyl cyclopropane-1,1-dicarboxylate
	A12460	Diethyl diallylmalonate, 97+%
	A11508	Diethyl dibromomalonate, 96%
	B23810	Diethyl diethylmalonate, 98%
	L16042	Diethyl difluoromalonate, 97%
	B20765	Diethyl dimethylaminomethylenemalonate, 95%
	L09902	Diethyl di-n-butylmalonate, 98+%
	B25062	Diethyl di-n-propylmalonate, 97%
	A17992	(-)-Diethyl D-tartrate, 99%
	L10682	Diethylene glycol diacrylate, tech. 75%, stab.
	L13446	Diethylene glycol monoethyl ether acetate, 99%
	A13776	Diethyl ethoxymethylenemalonate, 98+%
	L12117	Diethyl ethylenemalonate, 95%
	L07998	Diethyl ethylphenylmalonate, 96%
	B20766	Diethyl fluoromalonate, 97%

	A16214	Diethyl fumarate, 98%
	L11259	Diethyl glutarate, 98%
	B22428	Diethyl hexafluoroglutarate, 97%
	H60608	Diethyl iminodiacetate, 97%
	H54619	Diethyl indole-2,6-dicarboxylate, 96%
	L09202	Diethyl isobutylmalonate, 98%
	L11195	Diethyl isopropylidenemalonate, 97%
	B25384	Diethyl isopropylmalonate, 98+%
	A12771	Diethyl ketomalonate, 95%
	A10641	(+)-Diethyl L-tartrate, 98%
	L03876	Diethyl maleate, 97%
	A15468	Diethyl malonate, 99%
	H26347	Diethyl meso-2,5-dibromoadipate, 98%
	A12078	Diethyl methylmalonate, 99%
	L07539	Diethyl n-butylmalonate, 99%
	B23304	Diethyl n-propylmalonate, 99%
	B21486	Diethyl oxalacetate sodium salt, 95%
	A14498	Diethyl oxalate, 99%

	B20234	Diethyl phenylmalonate, 98%
	A17529	Diethyl phthalate, 99%
	L12253	Diethyl sec-butylmalonate, 96%
	A14735	Diethyl suberate, 99%
	A15777	Diethyl succinate, 98%
	B21401	Diethyl terephthalate, 95%
	L09131	Diethyl tert-butylmalonate, 96%
	L16469	Diethyl tetrafluorosuccinate, 97%
	A19186	Diisobutyl adipate, 97%
	A17059	Diisobutyl phthalate, 99%
	H61341	Diisopropylamine dichloroacetate, 95%
	L10386	Diisopropyl azodicarboxylate, 94%
	A17362	(-)-Diisopropyl D-tartrate, 98%
	A16941	(+)-Diisopropyl L-tartrate, 97%

	H51068	(+)-Diisopropyl O,O'-bis(trimethylsilyl)-L-tartrate, 99%
	L08757	Dimethyl 1,10-decanedicarboxylate, 98%
	B24008	Dimethyl 1,4-cyclohexanedione-2,5-dicarboxylate, 99+%
	H26701	Dimethyl (1-ethylpropyl)malonate, 97%
	H26588	Dimethyl (2-methylbutyl)malonate, 97%
	A12961	Dimethyl 2-nitroterephthalate, 98+%
	H26301	Dimethyl (2-thienylmethyl)malonate, 95%
	H26697	Dimethyl (3,3-diethylbutyl)malonate, 97%
	H26484	Dimethyl (3,4-difluorobenzyl)malonate, 97%
	A19238	Dimethyl 3,4-dihydroxypyrrrole-2,5-dicarboxylate, 97%
	L06715	Dimethyl 3-nitrophthalate, 98%
	H26868	Dimethyl [3-(trifluoromethyl)benzyl]malonate, 97%
	B20028	Dimethyl 4-aminothiophene-2,3-dicarboxylate hydrochloride, 97%
	H64841	Dimethyl 4-chloropyridine-2,6-dicarboxylate, 97%
	H26310	Dimethyl (4-fluorobenzyl)malonate, 97%
	H26331	Dimethyl (4-methoxybenzyl)malonate, 95%
	A17885	Dimethyl 4-nitrophthalate, 98%
	B20761	Dimethyl 5-aminoisophthalate, 98%

	H50629	Dimethyl 5-bromoisophthalate, 98%
	H52326	Dimethyl 5-hydroxy-2,6-dimethylpyridine-3,4-dicarboxylate, 97%
	B21565	Dimethyl 5-hydroxyisophthalate, 98%
	A10610	Dimethyl 5-nitroisophthalate, 98+%
	L08664	Dimethyl 5-norbornene-2,3-dicarboxylate, 94%
	B24646	Dimethyl 5-sulfoisophthalate sodium salt, 98%
	A14969	Dimethyl acetone-1,3-dicarboxylate, 97%
	A11437	Dimethyl acetylenedicarboxylate, 98%
	B25423	Dimethyl acetylsuccinate, 96%
	B21174	Dimethyl adipate, 99%
	L02376	Dimethyl allylmalonate, 97%
	A10567	Dimethyl aminoterephthalate, 99%
	L17458	Dimethyl azelate, 97%
	A12556	Dimethyl biphenyl-4,4'-dicarboxylate, 98%
	H25952	Dimethyl cis-4-cyclohexene-1,2-dicarboxylate, 99%
	L11142	Dimethyl cis-stilbene-4,4'-dicarboxylate
	H26289	Dimethyl cyclohexylmalonate, 95%
	L11472	Dimethyl D-tartrate, 99%

	L16751	Dimethyl fluoromalonate, 97%
	A10402	Dimethyl fumarate, 99%
	B24359	Dimethyl glutarate, 98%
	B25729	Dimethyl iminodiacetate hydrochloride, 98%
	B23779	Dimethyl isophthalate, 98%
	L12652	Dimethyl itaconate, 97%
	L06561	Dimethyl L-tartrate, 99%
	A18944	Dimethyl maleate, 96%
	A11007	Dimethyl malonate, 98+%
	B23803	Dimethyl methoxymethylenemalonate, 98+%
	L17689	Dimethyl naphthalene-2,6-dicarboxylate, 99+%
	L16752	Dimethyl octafluoroadipate, 94%
	A15359	Dimethyl oxalate, 99%
	H30009	Dimethyl oxazole-4,5-dicarboxylate, 99%

	L16753	Dimethyl perfluoro-1,10-decanedicarboxylate, 95%
	A14253	Dimethyl phthalate, 99%
	B22026	Dimethyl pimelate, 98+%
	H64939	Dimethyl pyridine-2,3-dicarboxylate, 95%
	A17250	Dimethyl pyridine-2,5-dicarboxylate, 97%
	H32251	Dimethyl pyridine-2,6-dicarboxylate, 98%
	L15805	Dimethyl sebacate, 97%
	B22681	Dimethyl suberate, 99%
	A12565	Dimethyl succinate, 98%
	A13220	Dimethyl terephthalate, 99%
	H26532	Dimethyl tert-butylmalonate, 95%
	L08800	Dimethyl tetrachloroterephthalate, 97%
	H56938	Dimethyl trans-cyclohexane-1,4-dicarboxylate, 99%
	L11969	Dimethyl trans-stilbene-4,4'-dicarboxylate, 98+%
	A13257	Di-n-butyl phthalate, 99%
	31244	Di-n-butyl phthalate, 99+%
	A18231	Di-n-butyl sebacate, 90+%

	A15466	Di-n-heptyl phthalate, 98+%
	A12593	Di-n-hexyl phthalate, 97%
	41522	Di-n-octyl phthalate, 98%
	A12871	Dinonyl phthalate, mixture of isomers, 96%
	B22910	Di-n-pentyl phthalate, 98%
	B24056	Di-n-propyl phthalate, 98%
	B20441	Di-n-propyl succinate, 98%
	44203	Diocetyl sulfosuccinate sodium salt, 96%
	A14449	Diphenyl phthalate, 98%
	L02877	Diphenyl terephthalate, 97%
	H58208	Disuccinimidyl glutarate, 97%
	H51771	Disuccinimidyl suberate, 97%
	L00294	Di-tert-butyl azodicarboxylate, 98%
	L00280	Di-tert-butyl hydrazodicarboxylate, 98+%
	L20325	Di-tert-butyl iminodicarboxylate, 98%
	H55860	(+)-Di-tert-butyl L-tartrate, 99%
	A12774	Di-tert-butyl malonate, 98+%, stab. with potassium carbonate
	L17671	DL-2-Amino-4-phosphonobutyric acid, 95%

	B25190	DL-alpha-Amino-2-thiopheneacetic acid methyl ester hydrochloride, 98%
	H57225	DL-beta-Prolinol, 97+%
	A16589	DL-Carnitine hydrochloride, 98+%
	L15983	D-( <i>-</i> )-Pantolactone, 99%
	H25864	Ethanolamine benzoate hydrochloride, 98+%
	L00911	Ethoxycarbonyl isothiocyanate, 97%
	L00266	(Ethoxycarbonylmethyl)dimethylsulfonium bromide, 98%
	A12896	(Ethoxycarbonylmethylene)triphenylphosphorane, 98+%
	A16347	(Ethoxycarbonylmethyl)triphenylphosphonium bromide, 98+%
	A19494	(Ethoxycarbonylmethyl)triphenylphosphonium chloride, 97%
	A19912	Ethyl 1,2,3-thiadiazole-4-carboxylate, 97%
	L00663	Ethyl 1,3-dithiane-2-carboxylate, 98+%
	H27506	Ethyl 1-(4-nitrophenyl)-5-(trifluoromethyl)-1 <i>H</i> -pyrazole-4-carboxylate, 97%
	H52374	Ethyl 1-benzylpiperidine-4-carboxylate, 97+%
	H64962	Ethyl 1-benzylpyrrolidine-3-carboxylate, 97%

	B23392	Triethyl 1,3,5-benzenetricarboxylate, 97%
	L17913	Triethyl 2-fluoro-2-phosphonoacetate, 96%
	L09329	Triethyl 2-phosphonobutyrate, 97%
	B23261	Triethyl 2-phosphonopropionate, 98%
	L10190	Triethyl 3-phosphonopropionate, 98%
	L10488	Triethyl 4-phosphonobutyrate, 97%
	A10995	Triethyl 4-phosphonocrotonate, cis + trans, 94%
	L12639	Triethyl citrate, 99%
	H54406	Tri(ethylene glycol) bis(2-ethylhexanoate), 90+%
	L12789	Triethylene glycol diacetate, 98%
	L08356	Triethyl methanetricarboxylate, 98%
	L06004	Triethyl orthoacetate, 97%
	L08172	Triethyl orthopropionate, 97%
	A14120	Triethyl phosphonoacetate, 98+%
	A13614	Trifluoroacetic anhydride, 99+%
	B21926	Trimethyl 1,3,5-benzenetricarboxylate, 98%
	A12399	Trimethyl 4-phosphonocrotonate, (E)+(Z), 90+%
	B22983	Trimethylacetic anhydride, 99%

	16445	Trimethylolpropane triacrylate, stabilized
	H33949	Trimethylolpropane tris[3-(2-methylaziridin-1-yl)propionate]
	L13369	Trimethyl orthoacetate, 98%
	A10270	Trimethyl orthobenzoate, 98%
	A13301	Trimethyl phosphonoacetate, 98%
	H26857	Trimethylsilyl 2,2-difluoro-2-(fluorosulfonyl)acetate, 94%
	B22037	Trimethylsilyl acetate, 97%
	L00961	Trimethylsilyl bromoacetate, 98+%
	A10266	Tri-n-butyl citrate, 99%
	A16247	Vinyl acetate, 99%, stab. with 8-12ppm hydroquinone
	B21805	Vinyl benzoate, 95%
	L09446	Vinyl chloroacetate, 99%, stab. with 4-methoxyphenol
	H29081	Vinyl decanoate, 95%, stab.
	L09584	Vinyl methacrylate, 98%, stab. with 200ppm 4-methoxyphenol
	A16237	Vitamin A acetate in gelatin, 500,000 I.U./g
	A14505	Vitamin E acetate, 97%
	B23636	Zinc propionate, 97%

# Carbonyl Halides



Carbonyl halides refer to those organic compounds that have the functional group -C(=O)-X, where X is any halogen atom. Alternatively referred to as acyl halide or acid halide, they are derived from oxoacid, where a halide group replaces hydroxyl group.

Being highly effective acylating agents under mild conditions, acyl halides are often encountered in organic synthesis as intermediates for the synthesis of other organic compounds. They are efficient partners in the synthesis of organic acids, aldehydes, amides, and esters. They are used in Friedal-Crafts acylation reactions for the synthesis of aromatic ketones. A variation of Suzuki-Miyaura coupling involves the coupling of arylboronic acid derivatives with acyl chlorides to give ketones. Acyl chlorides are important compounds for the synthesis of the popular Weinreb amides, which can be further converted to appropriate ketones. Ketenes are prepared from acyl chlorides containing alpha-hydrogen atom. Oxalyl chloride is used as a reagent in Swern oxidations. Molecules having more than one acyl halide are used as monomers in polymerization reactions. For instance, adipoyl chloride is used in the manufacture of Nylon. Valeryl chloride has found wide applicability in the manufacture of agrochemicals and pharmaceuticals.

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	L19559	1,1-Dioxobenzo[b]thiophen-2-ylmethyl chloroformate, tech. 90%
	L16896	11H-Perfluoroundecanoyl chloride, 97%
	L07255	1,3,5-Benzenetricarbonyl chloride, 98+%
	H51055	1,4-Phenylenediacryloyl chloride, tech.
	L18426	1-Acetylpiridine-4-carbonyl chloride, 97%, may contain up to ca 1M free HCl
	L18431	1-Methylpyrrole-2-carbonyl chloride, 95%
	A14460	1-Naphthoyl chloride, 98%
	H50386	1-Naphthylacetyl chloride, 95%
	H34034	1-Phenylcyclobutanecarbonyl chloride, 97%
	L13396	1-Pyrrolidinecarbonyl chloride, 97%
	L14148	(1S)-(-)-Camphanic chloride, 95%
	L19157	2,2-Difluoro-1,3-benzodioxole-4-carbonyl chloride, 97%
	L18125	2,2-Dimethylbutyryl chloride, 98%
	L08852	2,2-Di-n-propylacetyl chloride, 98%

	B22402	2,3,4,5,6-Pentafluorophenoxyacetyl chloride, 99%
	B24644	2,3,4,5-Tetrafluorobenzoyl chloride, 98%
	B23484	2,3,4-Trifluorobenzoyl chloride, 97%
	B20321	2,3,6-Trifluorobenzoyl chloride, 97%
	L09506	2,3-Dichlorobenzoyl chloride, 98%
	L11780	2,3-Dichlorothiophene-5-sulfonyl chloride, 97%
	L18170	2,3-Difluoro-4-methylbenzoyl chloride, 97%
	B20333	2,3-Difluorobenzoyl chloride, 97%
	H25873	2,3-Dimethylbenzoyl chloride, 96%
	A18603	2,4,5-Trifluorobenzoyl chloride, 97%
	L14159	2,4,6-Trichlorobenzoyl chloride, 98%
	B20323	2,4,6-Trifluorobenzoyl chloride, 97%
	A11280	2,4,6-Triisopropylbenzoyl chloride, 98+%
	A14407	2,4,6-Trimethylbenzoyl chloride, 98+%
	B23514	2,4-Dichloro-5-fluorobenzoyl chloride, 97%
	H31658	2,4-Difluoro-3-methylbenzoyl chloride, 98%
	A17920	2,4-Difluorobenzoyl chloride, 97%
	H27068	2,4-Dimethoxybenzoyl chloride, 96%
	H50387	2,4-Dimethylbenzoyl chloride, 97%

	A10651	2,5-Difluorobenzoyl chloride, 97+%
	L18422	2,5-Dimethyl-3-furoyl chloride, 98%
	B23081	2,6-Bis(trifluoromethyl)benzoyl chloride, 97%
	H31545	2,6-Dichloro-3-(trifluoromethyl)benzoyl chloride, 97%
	A14839	2,6-Dichlorobenzoyl chloride, 98%
	L18159	2,6-Difluoro-3-methylbenzoyl chloride, 97%
	A11286	2,6-Difluorobenzoyl chloride, 98%
	L20151	2-Bromo-3,4,5,6-tetrafluorobenzoyl chloride, 97%
	A19164	2-Bromo-5-methoxybenzoyl chloride, 97%
	A14520	2-Bromobenzoyl chloride, 98%
	B23662	2-Bromopropionyl chloride, 98%
	L18169	2-Chloro-3,6-difluorobenzoyl chloride, 97%
	B23439	2-Chloro-4-fluorobenzoyl chloride, 97%
	L08246	2-Chloro-4-nitrobenzoyl chloride, 98%
	B24369	2-Chloro-5-fluorobenzoyl chloride, 97%
	L17523	2-Chloro-5-nitrobenzoyl chloride, 96%
	B24295	2-Chloro-5-(trifluoromethyl)benzoyl chloride, 97%

	B24028	2-Chloro-6-fluoro-3-methylbenzoyl chloride, 97%
	B23762	2-Chloro-6-fluorobenzoyl chloride, 98%
	A14785	2-Chlorobenzoyl chloride, 97%
	L11207	2-Chlorobutyryl chloride, tech. 85%
	A11048	2-Chloronicotinoyl chloride, 97%
	B24503	2-Chloropropionyl chloride, 96%
	B23399	2-Ethoxy-1-naphthoyl chloride, 97%
	H32917	2-Ethoxy-3,5-difluorobenzoyl chloride, JRD, 97%
	H34443	2-Ethoxyacetyl chloride, 97%, stab. with 0.3% Magnesium oxide
	L17686	2-Ethoxybenzoyl chloride, 98%
	B23774	2-Ethylbutyryl chloride, 99%
	L03181	2-Ethylhexanoyl chloride, 97%
	B23464	2-Fluoro-3-(trifluoromethyl)benzoyl chloride, 97%
	H32292	2-Fluoro-4,6-bis(trifluoromethyl)benzoyl chloride, 97%
	H31644	2-Fluoro-4-methoxybenzoyl chloride, 95%
	H34481	2-Fluoro-4-(pentafluorothio)benzoyl chloride, 97%
	H33070	2-Fluoro-4-(trifluoromethoxy)benzoyl chloride, 97%
	A19950	2-Fluoro-4-(trifluoromethyl)benzoyl chloride, 97%

	H26177	2-Fluoro-5-iodobenzoyl chloride, 98%
	H33318	2-Fluoro-5-methoxy-3-(trifluoromethyl)benzoyl chloride, 97%
	H33390	2-Fluoro-5-methyl-4-(trifluoromethyl)benzoyl chloride, 97%
	H26093	2-Fluoro-5-methylbenzoyl chloride, 97%
	B20400	2-Fluoro-5-(trifluoromethyl)benzoyl chloride, 97%
	H26137	2-Fluoro-6-methoxybenzoyl chloride, 98%
	B20746	2-Fluoro-6-(trifluoromethyl)benzoyl chloride, 97%
	A16096	2-Fluorobenzoyl chloride, 97%
	L06960	2-Furoyl chloride, 98+%
	A13558	2-Iodobenzoyl chloride, 98%
	H32642	2-Methoxy-3-(trifluoromethyl)benzoyl chloride, 97%
	H32311	2-Methoxy-6-(trifluoromethyl)benzoyl chloride, 97%
	B22784	2-Methoxybenzoyl chloride, 97%
	B22599	2-Methylbutyryl chloride, 99%
	H32829	2-Methylhexanoyl chloride, 97%
	L02725	2-Methylvaleryl chloride, 98%
	A14046	2-Naphthoyl chloride, 98%
	L04943	2-Phenoxypropionyl chloride, 98%

	B22997	2-Phenylbutyryl chloride, 98%
	L09323	2-Thiopheneacetyl chloride, 98%
	B23919	2-(Trifluoromethoxy)benzoyl chloride, 97%
	A10564	2-(Trifluoromethyl)benzoyl chloride, 98%
	L10186	3-(2-Chloro-6-fluorophenyl)-5-methylisoxazole-4-carbonyl chloride, 97%
	L17704	3,4,5-Trichlorothiophene-2-carbonyl chloride, 97%
	L19188	3,4,5-Trifluorobenzoyl chloride, 97%
	A17006	3,4-Dichlorobenzoyl chloride, 97%
	H50416	3-(4-Methoxyphenyl)propionyl chloride, 99%
	A11401	3,5-Bis(trifluoromethyl)benzoyl chloride, 97%
	H50391	3,5-Dichloro-4-methoxybenzoyl chloride, 97%
	B24676	3,5-Dichlorobenzoyl chloride, 96%
	B21400	3,5-Difluorobenzoyl chloride, 98+%
	A14744	3,5-Dimethoxybenzoyl chloride, 98%

	A16729	3,5-Dinitrobenzoyl chloride, 98+%
	H32887	3,6-Dichloro-2-fluorobenzoyl chloride, 97%
	H50420	3,6-Dichlorobenzo[b]thiophene-2-carbonyl chloride, 95%
	H50410	3-Benzylbenzoyl chloride, 95%
	H31775	3-Bromo-5-(trifluoromethoxy)benzoyl chloride, 97%
	A15256	3-Bromobenzoyl chloride, 98%
	L20166	3-Chloro-2,4,5,6-tetrafluorobenzoyl chloride, 98%
	L18183	3-Chloro-2,4-difluorobenzoyl chloride, 97%
	L18244	3-Chloro-2,6-difluorobenzoyl chloride, 97%
	B23069	3-Chloro-2-fluoro-5-(trifluoromethyl)benzoyl chloride, 97%
	B24286	3-Chloro-2-fluoro-6-(trifluoromethyl)benzoyl chloride, 97%
	H52908	3-Chloro-4-chlorocarbonylbenzeneboronic anhydride, tech. 90%
	H32411	3-Chloro-4-ethoxy-5-fluorobenzoyl chloride, 97%
	B20217	3-Chloro-4-fluorobenzoyl chloride, 97%
	H32343	3-Chloro-4-(trifluoromethyl)benzoyl chloride, 97%
	H50422	3-Chloro-6-fluorobenzo[b]thiophene-2-carbonyl chloride, 98%
	H50419	3-Chloro-6-methoxybenzo[b]thiophene-2-carbonyl chloride
	H50423	3-Chloro-6-methylbenzo[b]thiophene-2-carbonyl chloride

	L11745	3-Chlorobenzo[ <i>b</i> ]thiophene-2-carbonyl chloride, 95%
	A13509	3-Chlorobenzoyl chloride, 97%
	H52722	3-Chlorocarbonylbenzeneboronic anhydride, tech. 90%
	L18427	(3-Chlorophenoxy)acetyl chloride, 95%
	B25698	3-Chloropropionyl chloride, 97%
	A17715	3-Cyclopentylpropionyl chloride, 98%
	L18433	3-Dimethylaminobenzoyl chloride hydrochloride, tech. 90%
	H32700	3-Ethoxy-2,6-difluorobenzoyl chloride, JRD, 97%
	H50227	3-Ethoxybenzoyl chloride, 98%
	H32951	3-Fluoro-2-methoxybenzoyl chloride, 97%
	H26095	3-Fluoro-4-methoxybenzoyl chloride, 97%
	B22846	3-Fluoro-4-methylbenzoyl chloride, 97%
	B20454	3-Fluoro-4-(trifluoromethyl)benzoyl chloride, 97%
	H33666	3-Fluoro-5-(pentafluorothio)benzoyl chloride, 97%
	H33742	3-Fluoro-5-(trifluoromethoxy)benzoyl chloride, 97%
	B20499	3-Fluoro-5-(trifluoromethyl)benzoyl chloride, 97%
	L09152	3-Fluorobenzoyl chloride, 98%
	H33164	3-Methoxy-4-(trifluoromethyl)benzoyl chloride, 97%

	H32703	3-Methoxy-5-(trifluoromethyl)benzoyl chloride, 97%
	B23571	3-Methoxybenzoyl chloride, 99%
	H50417	3-Methyl-2-phenoxybutyryl chloride, 98%
	H33182	3-Methyl-5-(trifluoromethyl)benzoyl chloride, 97%
	L17989	3-Methylthiophene-2-carbonyl chloride, 98%
	H50415	3-Methylvaleryl chloride, 97%
	A10579	3-Nitrobenzoyl chloride, 98%
	H33205	3-(Pentafluorothio)benzoyl chloride, 97%
	A10860	3-Phenylpropionyl chloride, 98%
	B20084	3-(Trifluoromethoxy)benzoyl chloride, 97%
	A14493	3-(Trifluoromethyl)benzoyl chloride, 97%
	L18432	4-Acetamidobenzoyl chloride, 95%
	L20153	4-Bromo-2,3,5,6-tetrafluorobenzoyl chloride, 98%
	L20142	4-Bromo-2-fluorobenzoyl chloride, 98%

	L03794	4-Bromobenzoyl chloride, 98+%
	A12094	4-Bromobutyryl chloride, 97%
	L20167	4-Chloro-2,3,5,6-tetrafluorobenzoyl chloride, 98%
	H34343	4-Chloro-2-fluoro-3-methoxybenzoyl chloride, 97%
	H34011	4-Chloro-2-(trifluoromethoxy)benzoyl chloride, 97%
	H33199	4-Chloro-3-ethoxy-2-fluorobenzoyl chloride, 97%
	H66109	4-Chloro-3-methylbenzoyl chloride, 96%
	A16325	4-Chlorobenzoyl chloride, 98%
	A12249	4-Chlorobutyryl chloride, 98%
	H52852	4-Chlorocarbonylbenzeneboronic anhydride, tech. 90%
	L09860	(4-Chlorophenoxy)acetyl chloride, tech. 85%
	A12530	4-Chlorophenylacetyl chloride, 98%
	B24333	4-Cyanobenzoyl chloride, 98%
	L14176	4-Dimethylaminobenzoyl chloride, 97%
	H50703	4-(Di-n-propylsulfamoyl)benzoyl chloride, 96%
	H31648	4-Ethoxy-2,3-difluorobenzoyl chloride, 97%
	H34113	4-Ethoxy-2,6-difluorobenzoyl chloride, 97%
	H31675	4-Ethoxy-3,5-difluorobenzoyl chloride, 97%

	H63664	4-Ethoxybenzoyl chloride, 99+%
	A11698	4-Ethylbenzoyl chloride, 98+%
	H33852	4-Fluoro-2-(trifluoromethoxy)benzoyl chloride, 97%
	B20064	4-Fluoro-2-(trifluoromethyl)benzoyl chloride, 97%
	H34380	4-Fluoro-3-methyl-5-(trifluoromethyl)benzoyl chloride, 97%
	B23188	4-Fluoro-3-methylbenzoyl chloride, 97%
	B20016	4-Fluoro-3-(trifluoromethyl)benzoyl chloride, 97%
	A12946	4-Fluorobenzoyl chloride, 98%
	L19235	4-Fluorophenylacetyl chloride, 97%
	B25388	4-Iodobenzoyl chloride, 98%
	H36645	4-Isopropylbenzoyl chloride, 97%
	H28036	(4-Isopropylphenoxy)acetyl chloride, 98%
	H31821	4-Methoxy-2-(trifluoromethyl)benzoyl chloride, 97%
	H33563	4-Methoxy-3-(trifluoromethoxy)benzoyl chloride, 97%
	B23072	4-Methoxy-3-(trifluoromethyl)benzoyl chloride, 97%
	L13120	4-Methoxybenzoyl chloride, 97%
	L15256	4-Methoxyphenylacetyl chloride, 98%
	H64917	4-Methyl-1-naphthoyl chloride, 98%

	H66759	4-Methyl-1-piperazinecarbonyl chloride hydrochloride, 97%
	H33613	4-n-Butoxy-2,6-difluorobenzoyl chloride, 97%
	A11658	4-n-Butoxybenzoyl chloride, 98%
	A15082	4-n-Butylbenzoyl chloride, 98%
	A17234	4-n-Decylbenzoyl chloride, 98%
	A15659	4-n-Hexylbenzoyl chloride, 98%
	A13367	4-n-Hexyloxybenzoyl chloride, 98%
	A12543	4-Nitrobenzoyl chloride, 98%
	A10248	4-n-Pentylbenzoyl chloride, 98%
	A13452	4-n-Propylbenzoyl chloride, 98%
	H35498	4-(Pentafluorothio)benzoyl chloride, 97%
	H50388	4-Phenylbutyryl chloride, 97%
	L18428	4-Sulfamidobenzoyl chloride DMF complex, 95%
	A14373	4-tert-Butylbenzoyl chloride, 98%

	A19408	4-tert-Butylphenoxyacetyl chloride, 98%
	A19452	4-(Trifluoromethoxy)benzoyl chloride, 97%
	A14176	4-(Trifluoromethyl)benzoyl chloride, 97%
	B23624	4-(Trifluoromethylthio)benzoyl chloride, 97%
	H50405	5-(2,4-Dichlorophenyl)furan-2-carbonyl chloride, 97%
	H50409	5-(2,5-Dichlorophenyl)furan-2-carbonyl chloride, 99%
	H50400	5-(2-Chloro-4-nitrophenyl)-2-furoyl chloride
	H50401	5-(2-Chloro-5-nitrophenyl)-2-furoyl chloride, 95%
	H50398	5-(2-Fluorophenyl)-2-furoyl chloride
	H50392	5-(2-Methyl-4-nitrophenyl)furan-2-carbonyl chloride
	H50394	5-(3,4-Dichlorophenyl)furan-2-carbonyl chloride
	H50395	5-(3-Chloro-2-methylphenyl)furan-2-carbonyl chloride
	H50404	5-(3-Chlorophenyl)-2-furoyl chloride
	H50407	5-(3-Nitrophenyl)-2-furoyl chloride
	H50402	5-(4-Chloro-3-nitrophenyl)-2-furoyl chloride
	H50408	5-(4-Nitrophenyl)-2-furoyl chloride
	A18046	5-Bromoacetyl chloride, 98%
	B23273	5-Chloro-2-fluorobenzoyl chloride, 97%

	H61474	5-Chlorothiophene-2-carbonyl chloride, 98%
	H56237	5-Chlorovaleroyl chloride, 98%
	L13750	5-Fluoro-2-methylbenzoyl chloride, 98%
	H32804	5-Fluoro-2-(trifluoromethoxy)benzoyl chloride, 97%
	B20030	5-Fluoro-2-(trifluoromethyl)benzoyl chloride, 97%
	H50702	5-Methyl-3-phenylisoxazole-4-carbonyl chloride, 99%
	H50693	5-Methylisoxazole-3-carbonyl chloride, 98%
	H36784	5-Methylthiophene-2-carbonyl chloride, 98%
	H50403	5-Phenyl-2-furoyl chloride
	L11713	5-(Phenylsulfonyl)thiophene-2-sulfonyl chloride, tech. 90%
	A11063	6-Bromohexanoyl chloride, 97%
	H33875	6-Chloro-2,3-difluorobenzoyl chloride, 97%
	B23374	6-Chloro-2-fluoro-3-methylbenzoyl chloride, 97%
	L11111	6-Chlorohexanoyl chloride, 95%
	A12354	6-Chloronicotinoyl chloride, 98%
	H26996	6-(Trifluoromethyl)nicotinoyl chloride, 97%
	A11683	9-Fluorenylmethyl chloroformate, 98+%
	H32616	Acetyl chloride, 1M soln. in dichloromethane

	L14013	Acetyl chloride, 98%
	43262	Acetyl chloride, 99+%
	L10363	Acryloyl chloride, 96%, stab. with 400ppm phenothiazine
	L02352	Adamantane-1-carbonyl chloride, 97%
	A13168	Adipoyl chloride, 98%
	H25845	(±)-alpha-Methoxy-alpha-(trifluoromethyl)phenylacetyl chloride, 98%
	L08140	Benzo[b]thiophene-2-carbonyl chloride, 98%
	L19631	Benzothiazole-2-carbonyl chloride, 95%
	A14107	Benzoyl chloride, 99+%
	L11464	Benzoyl fluoride, 97%
	A15682	Benzyl chloroformate, 95%, stab. with ca 0.1% sodium carbonate
	L14337	Benzyloxyacetyl chloride, 95%
	A13956	Biphenyl-4-carbonyl chloride, 98%
	A17575	Butyryl chloride, 98%

	A15846	Chloroacetyl chloride, 98%
	A13710	Crotonyl chloride, tech. 90%
	B20317	Cyclobutanecarbonyl chloride, 98%
	A19824	Cyclohexanecarbonyl chloride, 97+%
	A14142	Cyclopentanecarbonyl chloride, 98%
	L14562	Cyclopentylacetyl chloride, 97%
	A11948	Cyclopropanecarbonyl chloride, 98%
	A19486	Decanoyl chloride, 98%
	B22296	Dichloroacetyl chloride, 97%
	A15701	Diethylcarbamyl chloride, 98%
	L18475	Dimethylaminoacetyl chloride hydrochloride, tech. 85%
	L00171	Diphenylacetyl chloride, 90+%
	B23116	Diphenylcarbamyl chloride, 98%
	L13223	Di-p-toluoyl-D-tartaric acid, 98%
	A13294	Dodecanoyl chloride, 98%
	H50397	Ethyl 4-(5-chlorocarbonyl-2-furyl)benzoate
	H59443	Ethyl glutaryl chloride, 97%
	A15616	Ethyl malonyl chloride, 95%

	A12734	Ethyl succinyl chloride, 97%
	A14540	Fumaryl chloride, 95%
	L04695	Heptafluorobutyryl chloride, 98%
	L03315	Heptanoyl chloride, 99%
	B23027	Hexanoyl chloride, 97%
	H35174	Imidazo[1,2-a]pyridine-6-carbonyl chloride hydrochloride, 95%
	L00908	Indole-3-glyoxylyl chloride, 98+%
	L04428	Iodoacetyl chloride, 97%
	A14692	Isobutyl chloroformate, 98%
	B24472	Isobutyryl chloride, 98%
	A10863	Isonicotinoyl chloride hydrochloride, 98%
	A15904	Isophthaloyl dichloride, 98%
	B24002	Isovaleryl chloride, 97%
	A14625	Isoxazole-5-carbonyl chloride, 97%
	H59868	Malonyl dichloride, 94%
	L03210	Methoxyacetyl chloride, 97%, stab. with ca 0.3% magnesium oxide
	L04377	Methyl adipoyl chloride, 96%
	20823	Methyl malonyl chloride, 97%

	B23914	m-Toluoyl chloride, 99%
	H37453	m-Tolylacetyl chloride, 99%
	A15317	Nicotinoyl chloride hydrochloride, 96%
	A17671	Nonanoyl chloride, 96%
	H66888	Noradamantane-3-carbonyl chloride, 97%
	H56380	n-Undecanoyl chloride, 98%
	L03526	Octanoyl chloride, 99%
	A10775	o-Toluoyl chloride, 98+%
	H37418	o-Tolylacetyl chloride, 98%
	H31617	Oxalyl chloride, 2M soln. in dichloromethane
	A18012	Oxalyl chloride, 98%
	A13812	Palmitoyl chloride, 98%
	A12420	Pentafluorobenzoyl chloride, 98%
	L09294	Perfluorooctanoyl chloride, 97%

	A13761	Phenoxyacetyl chloride, 98%
	B24987	Phenylacetyl chloride, 98%
	L08753	Phthaloyl chloride, 94%
	A10940	Propionyl chloride, 98%
	A15581	p-Toluoyl chloride, 99%
	H37997	p-Tolylacetyl chloride, 97+%
	H50418	Pyrazine-2-carbonyl chloride, 90+%
	H26570	Pyridine-2,6-dicarbonyl dichloride, 97%
	L14325	(R)-(-)-alpha-Methoxy-alpha-(trifluoromethyl)phenylacetyl chloride, 98+%
	L14332	(S)-(+)-alpha-Methoxy-alpha-(trifluoromethyl)phenylacetyl chloride, 98+%
	A14226	Sebacoyl chloride, 95%
	B24580	Suberoyl chloride, 97%
	A18389	Succinyl chloride, 96%
	A11224	Terephthaloyl chloride, 99%
	A10162	tert-Butylacetyl chloride, 98+%
	A14641	Thiophene-2-carbonyl chloride, 98%
	H61428	Thiophene-3-carbonyl chloride, 97%
	A12016	trans-Cinnamoyl chloride, 97%

# (Thio)Carboxylic Acids



Carboxylic acids are any class of organic compounds that contain a carboxyl group [-C(=O)OH]. They are proton donors and form the common type of organic acids. They widely occur in nature and include amino acids, oils or fats derived from plants or animals. They are efficient partners in a variety of chemical reactions (Schmidt reaction, Hunsdiecker reaction, Dakin-West reaction, Arndt-Eistert synthesis, etc.) and are routinely employed in organic synthesis. Carboxylic acids have diverse applications including, but not limited to, the production of polymers, food additives, and pharmaceuticals. Acrylic acid and methacrylic acids are well known precursors of polymers. Terephthalic acid, adipic acid and maleic acid are used extensively in the polymer industry. Acetic acid is a component of vinegar, citric acid has applications in beverages, while propionic acid is a preservative.

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	L10647	10,12-Docosadiynedioic acid, 95%
	L09313	10,12-Pentacosadiynoic acid, 98+%
	L10231	10,12-Tricosadiynoic acid, 96%
	H60292	10-Bromodecanoic acid, 95%
	H60743	10-Hydroxydecanoic acid, 96%
	A19122	10-Undecenoic acid, 99%
	A13815	10-Undecynoic acid, 96%
	A18548	1,10-Phenanthroline-2,9-dicarboxylic acid hydrate, 97%
	42004	1,18-Octadecanedicarboxylic acid
	A14288	1,1-Cyclobutanedicarboxylic acid, 99%
	B20816	1,1-Cyclohexanediacetic acid, 98%
	H26025	1,1-Cyclohexanedicarboxylic acid, 95%
	A17085	1,1-Cyclopropanedicarboxylic acid, 97%
	H25828	1,1-Cyclopropanedicarboxylic acid monomethyl ester, 97%

	L16759	11H-Perfluoroundecanoic acid, 95%
	46716	11-Maleimidoundecanoic acid
	A16612	1,2,3,4-Butanetetracarboxylic acid, 98+%
	H32138	1,2,3,4-Tetrahydro-1-naphthoic acid, 98%
	H31898	1-(2,3,5,6-Tetramethylphenylsulfonylamino)cyclohexanecarboxylic acid, 95%
	A17491	1,2,3-Benzenetricarboxylic acid hydrate, 99%
	B20842	1,2,3-Thiadiazole-4-carboxylic acid, 97%
	L07359	1,2,4-Benzenetricarboxylic acid, 98%
	B23003	1,2,4-Benzenetricarboxylic anhydride, 97%
	H33715	1-(2,5-Dimethylphenylsulfonylamino)cyclohexanecarboxylic acid, 96%
	B25121	12-Aminododecanoic acid, 96%
	B21074	1,2-Bis(carboxymethylthio)ethane, 97%
	H63627	1-[2-(Boc-amino)ethyl]indole-6-carboxylic acid, 97%
	H60425	12-Hydroxydodecanoic acid, 97%
	44810	12-Hydroxystearic acid, 95%
	A17347	12-Hydroxystearic acid, tech. 85%
	H34270	1-(2-Methoxyethyl)-4-oxo-1,4-dihdropyrido[1,2-a]pyrrolo[2,3-d]pyrimidine-2-carboxylic acid monohydrate, 96%
	A13851	1,2-Phenylenediacetic acid, 98+%
	H50351	1-(2-Pyrimidinyl)piperidine-4-carboxylic acid, 95%

	A15947	1,3,5-Benzenetricarboxylic acid, 98%
	H60087	1,3,5-Tri(4-carboxyphenyl)benzene, 97%
	H61817	1,3-Dimethyl-1H-thieno[2,3-c]pyrazole-5-carboxylic acid, 95%
	H33653	1,3-Dimethyl-2,4-dioxo-2,3,4,7-tetrahydropyrrolo[2,3-d]pyrimidine-6-carboxylic acid monohydrate, 96%
	H31891	1,3-Dimethyl-2,4-dioxo-7-n-propyl-2,3,4,7-tetrahydropyrrolo[2,3-d]pyrimidine-6-carboxylic acid, 96%
	H33902	1-(3-Methoxypropyl)-4-oxo-1,4-dihydropyrido[1,2-a]pyrrolo[2,3-d]pyrimidine-2-carboxylic acid, 96%
	A11429	1,3-Phenylenediacetic acid, 97%
	H34351	1-[3-(Trifluoromethyl)phenylsulfonylamino]cyclohexanecarboxylic acid, 96%
	H33365	1-[4-(2-Chlorophenoxy)phenylsulfonylamino]cyclohexanecarboxylic acid, 96%
	H34096	1-[4-(2-Methoxyphenoxy)phenylsulfonylamino]cyclohexanecarboxylic acid, 96%
	L01141	1,4-Benzenediacrylic acid, 98%
	B20661	1,4-Benzodioxane-2-carboxylic acid, 97%
	H66992	1,4-Benzodioxane-6-carboxylic acid, 95%
	H33299	1-(4'-Chloro-4-biphenylsulfonylamino)cyclohexanecarboxylic acid, 96%
	L05336	1-(4-Chlorophenyl)cyclohexane-1-carboxylic acid, 95%
	H50274	1-(4-Chlorophenyl)cyclopropanecarboxylic acid, 99%
	B23125	1,4-Cyclohexanedicarboxylic acid, cis + trans, 98%

	H60210	1,4-Dihydroxy-2-naphthoic acid, 98%
	H32698	1-(4'-Methoxy-4-biphenylylsulfonylamino)cyclohexanecarboxylic acid, 96%
	H27369	1-(4-Nitrophenyl)-5-(trifluoromethyl)-1H-pyrazole-4-carboxylic acid, 97%
	A16036	1,4-Phenylenediacetic acid, 97%
	H64475	1,5-Dimethyl-1H-pyrazole-3-carboxylic acid, 98%
	B21670	15-Hydroxypentadecanoic acid, 99+%
	L07019	1,6-Dibromo-2-hydroxynaphthalene-3-carboxylic acid, 97%
	A17845	16-Hydroxyhexadecanoic acid, 97%
	A15606	1-Acetylpyridine-4-carboxylic acid, 98+%
	L12029	1-Adamantaneacetic acid, 98+%
	H27264	1-Amino-1-cyclopropanecarboxylic acid hydrochloride, 97%
	L19795	1-Amino-4-oxocyclohexanecarboxylic acid ethylene ketal, 98%
	H64459	1-Aminocyclobutanecarboxylic acid, 95%
	A11853	1-Aminocyclohexanecarboxylic acid, 98%
	B24031	1-Aminocyclohexanecarboxylic acid hydrochloride, 98%
	B22179	1-Aminocyclopentanecarboxylic acid, 97+%
	L08434	1-Benzyl-1,2,3-triazole-4,5-dicarboxylic acid, 98%
	H66294	1-Benzylindole-3-carboxylic acid, 95%

	H27047	(±)-1-Benzylloxycarbonyl-4-Boc-piperazine-2-carboxylic acid, 97%
	H64728	1-(Benzylloxycarbonyl)pyrrolidine-3-carboxylic acid, 97%
	H50086	1-Boc-4-(methoxycarbonyl)pyrrolidine-3-carboxylic acid, 96%
	H32102	(1-Boc-4-piperidinyloxy)acetic acid, 95%
	H62888	1-(Boc-amino)cyclobutanecarboxylic acid, 97%
	L19483	1-(Boc-amino)cyclopentanecarboxylic acid, 98%
	H61992	1-(Boc-amino)cyclopropanecarboxylic acid, 98%
	H28817	1-Boc-azetidine-3-carboxylic acid, 97%
	H52416	1-Boc-D-nipecotic acid, 97%
	H63883	1-Boc-indoline-7-carboxylic acid, 97%
	L17527	1-Boc-isonipecotic acid, 98+%
	H52575	1-Boc-L-nipecotic acid, 97%
	H50080	1-Boc-pyrrolidine-3-carboxylic acid, 99%
	H27730	1-Cyano-1-cyclopropanecarboxylic acid, 97%
	H56929	1-Cyclohexene-1,2-dicarboxylic anhydride, 97+%
	19462	1-Cyclohexene-1-acetic acid
	A10741	1-Cyclohexene-1-carboxylic acid, 97%
	A13271	1-Cyclopentene-1-carboxylic acid, 98%

	A11561	1-Ethyl-3-methyl-1H-pyrazole-5-carboxylic acid, 97%
	L19810	1-(Fmoc-amino)cyclohexanecarboxylic acid, 98+%
	H57059	1-Fmoc-azetidine-3-carboxylic acid, 95%
	H63915	1-Fmoc-piperidine-4-carboxylic acid, 98%
	H31732	1H-1,2,4-Triazole-1-acetic acid, 97%
	H64001	1H-Indazole-3-carboxylic acid, 98%
	H34115	1H-Indazole-4-carboxylic acid, 97%
	H32535	1H-Indazole-5-carboxylic acid, 95%
	H32463	1H-Indazole-7-carboxylic acid, 95%
	H34344	1H-Indene-3-carboxylic acid, 97%
	L06731	1H-Pyrazole-3,5-dicarboxylic acid monohydrate, 98%
	B25732	1H-Pyrazole-3-carboxylic acid, 97%
	H25783	1H-Pyrazole-4-carboxylic acid, 97%
	A12785	1-Hydroxy-2-naphthoic acid, 98%

	H63935	1-Indoleacetic acid, 95%
	H61723	1-(Mercaptomethyl)cyclopropaneacetic acid, 98%
	H50317	1-Methyl-1H-pyrazole-3-carboxylic acid, 96%
	H32874	1-Methyl-1H-pyrazole-5-carboxylic acid, 97%
	B21713	1-Methylcyclohexanecarboxylic acid, 99%
	H51859	1-Methylimidazole-2-carboxylic acid hydrate, 90+%
	H51866	1-Methylimidazole-4-carboxylic acid, 95%
	H51106	1-Methylimidazole-5-carboxylic acid, 95%
	H26879	1-Methyllindazole-3-carboxylic acid, 97%
	H33083	1-Methylpiperidine-4-carboxylic acid hydrochloride, 96%
	L05906	1-Methylpyrrole-2-carboxylic acid, 98%
	A10273	1-Naphthoic acid, 98%
	L01036	1-Naphthoxyacetic acid, 98+%
	A11069	1-Naphthylacetic acid, 95%, may cont. up to 5% 2-isomer
	H34277	1-n-Butyl-4-oxo-1,4-dihdropyrido[1,2-a]pyrrolo[2,3-d]pyrimidine-2-carboxylic acid, 96%
	H50305	1-Phenyl-1H-pyrazole-4-carboxylic acid, 99%
	H34382	1-Phenylcyclobutanecarboxylic acid, 97%
	H50203	1-Phenylcyclohexanecarboxylic acid, 99%

	B25504	1-Phenylcyclopentanecarboxylic acid, 98%
	H27525	1-Phenylcyclopropanecarboxylic acid, 97%
	H34284	1-(Phenylsulfonyl)indole-3-carboxylic acid, 97%
	A17760	1-Pyrenebutyric acid, 97%
	H52418	(1R,2R)-2-Aminocyclohexanecarboxylic acid, 97%
	H52293	(1R,2R)-Cyclohexane-1,2-dicarboxylic acid, 98+%
	H52122	(1R,3S)-(-)-3-Aminocyclopentanecarboxylic acid, 95%
	H52022	(1R,3S)-(-)-3-(Boc-amino)cyclopentanecarboxylic acid, 95%
	B23106	(1R,3S)-(+)-Camphoric acid, 98+%
	H52013	(1R,4S)-(+)-4-Aminocyclopent-2-enecarboxylic acid, 95%
	H25950	(1S,2R)-cis-4-Cyclohexene-1,2-dicarboxylic acid 1-monomethyl ester, 98%
	H52779	(1S,2S)-2-Aminocyclohexanecarboxylic acid, 97%
	H52290	(1S,2S)-Cyclohexane-1,2-dicarboxylic acid, 98+%
	H52040	(1S,3R)-(+)-3-Aminocyclopentanecarboxylic acid, 95%
	H52194	(1S,3R)-(+)-3-(Boc-amino)cyclopentanecarboxylic acid, 95%
	H54042	(1S,3R)-(-)-Camphoric acid, 98%
	H52747	(1S,3R)-cis-3-(Methoxycarbonyl)cyclopentane-1-carboxylic acid, 97%
	L16098	(1S)-(-)-Camphanic acid, 99%

	L13987	(1S)-(+)-Menthyl acetate, 99%
	H25850	1-(Trifluoromethyl)-1-cyclobutanecarboxylic acid, 95%
	H26055	1-(Trifluoromethyl)cyclopentanecarboxylic acid, 97%
	L17957	1-Trifluoromethylcyclopropane-1-carboxylic acid, 97%
	H33095	2,1,3-Benzothiadiazole-5-carboxylic acid, 97%
	L06069	2-(1-Pyrrolyl)benzoic acid, 99%
	L16561	2,2,3,3,4,4,5,5-Octafluoropentyl acrylate, 97%, stab. with ca 50ppm 4-methoxyphenol
	A14489	2,2,3,3-d(4)-3-(Trimethylsilyl)propionic acid sodium salt, 98+ atom % D
	H60809	2,2,3,3-Tetramethylcyclopropanecarboxylic acid, 97%
	H33810	2-(2,3,4,5,6-Pentamethylbenzoyl)benzoic acid, 95%
	L08136	2-(2,4,5-Trichlorophenoxy)propionic acid, 96%
	B24344	2-(2,4-Dichlorophenoxy)propionic acid, 98%
	H37760	2,2':6',2"-Terpyridine-4'-carboxylic acid, 95%
	H57465	2-(2,6-Dimethylphenylcarbamoyl)benzoic acid, 97%

	B22594	2,2'-Bipyridine-4,4'-dicarboxylic acid, 98%
	L10450	2,2-Bis(4-carboxyphenyl)hexafluoropropane, 95%
	L14014	2,2-Bis(hydroxymethyl)propionic acid, 98+%
	L16368	2-(2-Carboxyvinyl)benzeneboronic acid, 98%
	L06356	2,2'-Dichlorobenzilic acid, 98+%
	B23955	2,2-Difluoro-1,3-benzodioxole-4-carboxylic acid, 97%
	B23610	2,2-Difluoro-1,3-benzodioxole-5-carboxylic acid, 97+%
	H33055	(±)-2,2-Difluoro-1-methylcyclopropanecarboxylic acid, 97%
	H27119	2,2-Difluoro-2-(fluorosulfonyl)acetic acid, 94%
	H32173	2,2-Difluoro-4-pentenoic acid, 97%
	H25830	2,2-Difluorobutyric acid, 97%
	H25752	2,2-Difluorocyclopropanecarboxylic acid, 95%
	H26030	2,2-Difluoropropionic acid, 97%
	L00773	2,2-Difluorosuccinic acid, 94%
	H64067	2,2-Dimethyl-3-butenoic acid, 95%
	H60940	2,2-Dimethyl-4-pentenoic acid, 95%
	A17072	2,2-Dimethylbutyric acid, 97%
	B20481	2,2-Dimethylglutaric acid, 98+%

	L14664	2,2-Dimethylhexanoic acid, 94%
	B24394	2,2-Dimethylsuccinic acid, 99%
	A12962	2,2-Di-n-propylacetic acid, 98+%
	B22650	2,2-Diphenylglycine, 98%
	L04213	2,2'-Dithiosalicylic acid, 96%
	H63641	(2-[2-(Fmoc-amino)ethoxy]ethoxy)acetic acid, 95%
	H51801	2-(2-Furyl)-4-methylthiazole-5-carboxylic acid, 97%
	H66654	2-(2-Methyl-6-nitrophenyl)acetic acid, 95%
	B25185	2-[2-(Phenylsulfonyl)ethylthio]nicotinic acid, 97%
	H33988	2-(2-Phthalimidoethoxy)acetic acid, 97%
	H51851	2-(2-Pyridyl)thiazole-4-carboxylic acid, 97%
	H54347	2-(2-Thienyl)thiazole-4-carboxylic acid, 97%
	B25053	2,3,4,5,6-Pentafluorocinnamic acid, 98%
	B22731	2,3,4,5,6-Pentafluorophenoxyacetic acid, 98+%
	B22430	2,3,4,5,6-Pentafluorophenylacetic acid, 98+%
	A18954	2,3,4,5-Tetrafluorobenzoic acid, 98+%
	H52164	2-(3,4-Dimethoxyphenyl)-4-methylthiazole-5-carboxylic acid, 97%
	B20696	2,3,4-Trifluorobenzoic acid, 98%

	H26510	2,3,4-Trifluorophenylacetic acid, 97%
	B20371	2,3,4-Trihydroxybenzoic acid, 97%
	A14278	2,3,4-Trimethoxybenzoic acid, 98+%
	H33785	2,3,5,6-Tetrafluoropyridine-4-acetic acid, 98%
	H25768	2,3,5,6-Tetrafluoropyridine-4-propionic acid, 98%
	H63588	2,3,5-Trichloropyridine-4-carboxylic acid, 95%
	H26376	2,3,5-Trifluorobenzoic acid, 97%
	H26826	2,3,5-Trifluorophenylacetic acid, 97%
	L20050	2,3,5-Trifluoropyridine-4-carboxylic acid, 97%
	L02679	2,3,5-Triiodobenzoic acid, 98+%
	B20666	2,3,6-Trifluorobenzoic acid, 99%
	L04841	2,3-Dibromobutyric acid, 97%
	H31708	2,3-Dibromopyridine-4-carboxylic acid, 97%
	H60306	2,3-Dibromosuccinic acid, 98%

	H26286	2,3-Dichloro-6-fluorobenzoic acid, 97%
	H26357	2,3-Dichloro-6-fluorophenylacetic acid, 97%
	H26756	2,3-Dichloro-6-(trifluoromethyl)benzoic acid, 97%
	H31622	2,3-Dichloro-6-(trifluoromethyl)phenylacetic acid, 97%
	A10522	2,3-Dichlorobenzoic acid, 98%
	A13231	2,3-Dichlorophenoxyacetic acid, 97%
	H32763	2,3-Dichlorophenylacetic acid, 98%
	H63733	2,3-Dichloropyridine-4-carboxylic acid, 97%
	H26087	2,3-Difluoro-4-hydroxybenzoic acid, 97%
	H26118	2,3-Difluoro-4-methoxybenzoic acid, 97+%
	H26327	2,3-Difluoro-4-methoxyphenylacetic acid, 97%
	B22949	2,3-Difluoro-4-methylbenzoic acid, 97%
	H26235	2,3-Difluoro-4-methylphenylacetic acid, 97%
	H32405	2,3-Difluoro-5-hydroxybenzoic acid, 99%
	H26830	2,3-Difluoro-6-methoxybenzoic acid, 97%
	H26779	2,3-Difluoro-6-methoxyphenylacetic acid, 97%
	A16717	2,3-Difluorobenzoic acid, 98%
	B20105	2,3-Difluorocinnamic acid, 98%

	L11928	2,3-Difluoromandelic acid, 95%
	A16728	2,3-Difluorophenylacetic acid, 98%
	H33463	2,3-Difluoropyridine-4-carboxylic acid, 97%
	A10144	2,3-Dihydroxybenzoic acid, 98%
	A14592	2,3-Dimethoxybenzoic acid, 99%
	A15936	2,3-Dimethoxycinnamic acid, predominantly trans, 98+%
	A10383	2,3-Dimethylbenzoic acid, 98%
	A15976	2,3-Dimethylphenoxyacetic acid, 98%
	H63947	2,3-Dimethylphenylacetic acid, 95%
	43852	2-(3-Fluorophenylamino)benzoic acid, 98%
	H54566	2-(3-Methoxyphenyl)-4-methylthiazole-5-carboxylic acid, 97%
	H54593	2-(3-Pyridyl)benzimidazole-6-carboxylic acid, 97%
	H51838	2-(3-Pyridyl)thiazole-4-carboxylic acid, 97%
	H62214	2-(3-Pyridyl)thiazolidine-4-carboxylic acid, 97%
	L19237	2,4,5-Trifluoro-3-methoxybenzoic acid, 98%
	A14193	2,4,5-Trifluorobenzoic acid, 98%
	B23229	2,4,5-Trifluorocinnamic acid, 97+%
	H26190	2,4,5-Trifluorophenylacetic acid, 94%

	A19324	2,4,5-Trimethoxybenzoic acid, 99%
	B23790	2,4,6-Tribromo-3-hydroxybenzoic acid, 97%
	L14191	2,4,6-Trichlorobenzoic acid, 94%
	H26509	2,4,6-Trifluoro-3-methoxybenzoic acid, 97%
	A19758	2,4,6-Trifluorobenzoic acid, 98%
	B20039	2,4,6-Trifluorophenylacetic acid, 98%
	B22768	2,4,6-Trihydroxybenzoic acid monohydrate, 90+%
	A15489	2,4,6-Triisopropylbenzoic acid, 97%
	L04997	2,4,6-Trimethoxybenzoic acid, 98%
	A11831	2,4,6-Trimethylbenzoic acid, 99%
	B20731	2,4-Bis(trifluoromethyl)benzoic acid, 98%
	H32985	2,4-Bis(trifluoromethyl)cinnamic acid, 97%
	H26492	2,4-Bis(trifluoromethyl)phenylacetic acid, 97%
	H60763	2-[4-(Bromomethyl)phenyl]propionic acid, 96%

	B24521	2-(4-Chloro-2-methylphenoxy)acetic acid hydrazide, 96%
	A13605	2-(4-Chloro-3-nitrobenzoyl)benzoic acid, 98%
	L02746	2-(4-Chlorobenzoyl)benzoic acid, 99%
	A17624	2-(4-Chlorophenoxy)isobutyric acid, 98%
	A14359	2-(4-Chlorophenoxy)nicotinic acid, 98%
	H62341	2-(4-Chlorophenyl)thiazolidine-4-carboxylic acid, 97%
	A14661	2-(4-Chlorophenylthio)nicotinic acid, 98%
	H54240	2-(4-Cyanophenyl)benzimidazole-6-carboxylic acid, 97%
	H32008	2,4-Dibromobenzoic acid, 98%
	A13865	2,4-Dibromophenoxyacetic acid, 97%
	B22064	2,4-Dichloro-5-fluorobenzoic acid, 97%
	H26595	2,4-Dichloro-5-fluorophenylacetic acid, 97%
	B24589	2,4-Dichloro-5-sulfamoylbenzoic acid, 98%
	A12372	2,4-Dichlorobenzoic acid, 98%
	H58239	2,4-Dichloronicotinic acid, 97%
	A12467	2,4-Dichlorophenoxyacetic acid, 98%
	A11791	2,4-Dichlorophenylacetic acid, 98+%
	B25597	2,4-Difluoro-3-methoxybenzoic acid, 98+%

	H33673	2,4-Difluoro-5-iodobenzoic acid, 97%
	H31770	2,4-Difluoro-5-methylbenzoic acid, 98%
	H32617	2,4-Difluoro-5-nitrobenzoic acid, 97%
	A13403	2,4-Difluorobenzoic acid, 98%
	L10708	2,4-Difluoromandelic acid, 97%
	B20431	2,4-Difluorophenylacetic acid, 99%
	A13545	2,4-Dihydroxybenzoic acid, 97%
	A16252	2,4-Dimethoxybenzoic acid, 98%
	L13784	2,4-Dimethoxyphenylacetic acid, 98%
	B22701	2,4-Dimethyl-2-pentenoic acid, predominantly trans, 99%
	A10589	2,4-Dimethylbenzoic acid, 97%
	L01296	2,4-Dimethylphenoxyacetic acid, 98+%
	H50284	2,4-Dimethylphenylacetic acid, 98%
	A14536	2,4-Dinitrobenzoic acid, 98%
	B22102	2,4-Dinitrophenylacetic acid, 98%
	A18546	2,4-Di(tert-pentyl)phenoxyacetic acid, 98%
	H54374	2-(4-Ethylphenyl)thiazole-4-carboxylic acid, 97%
	B21533	2-(4-Fluorophenoxy)nicotinic acid, 97+%

	A10333	2-(4-Hydroxyphenylazo)benzoic acid, 97%
	B24938	2-(4-Hydroxyphenyl)propionic acid, 98%
	H54038	2-(4-Methoxyphenyl)-4-methylthiazole-5-carboxylic acid, 97%
	H54713	2-(4-Methoxyphenyl)thiazole-4-acetic acid, 97%
	H54606	2-(4-Methoxyphenyl)thiazole-4-carboxylic acid, 97%
	H50289	2-(4-Methylphenoxy)nicotinic acid, 96%
	H54054	2-(4-Methylphenyl)thiazole-4-carboxylic acid, 97%
	B20457	2-(4-Pyridyl)thiazole-4-carboxylic acid, 97%
	A12795	2-(4-Toluoyl)benzoic acid, 98%
	H61103	2,5-Bis(2,2,2-trifluoroethoxy)benzoic acid, 96%
	H26184	2,5-Bis(trifluoromethyl)benzoic acid, 98%
	H32238	2,5-Bis(trifluoromethyl)cinnamic acid, 95%
	A15077	2,5-Dibromobenzoic acid, 98%
	L01332	2,5-Dichloro-3-nitrobenzoic acid, 98+%

	H62926	trans-4-(Benzylxycarbonylamino)cyclohexanecarboxylic acid, 97%
	H62058	trans-4-(Boc-amino)cyclohexaneacetic acid, 97%
	H59402	trans-4-(Boc-amino)cyclohexanecarboxylic acid, 98%
	B21897	trans-4-Ethylcyclohexanecarboxylic acid, 98%
	A13890	trans-4-Hydroxy-3-methoxycinnamic acid, 99%
	A15167	trans-4-Hydroxycinnamic acid, 98%
	H52000	(±)-trans-4-Isopropylpyrrolidine-3-carboxylic acid hydrochloride, 95%
	A13870	trans-4-Methoxycinnamic acid, 98%
	H27455	trans-4-Methylcyclohexanecarboxylic acid, 98%
	H57387	trans-4-n-Butylcyclohexanecarboxylic acid, 99%
	A12990	trans-4-Nitrocinnamic acid, 98+%
	B21716	trans-4-n-Pentylcyclohexanecarboxylic acid, 98%
	H57536	trans-4-n-Propylcyclohexanecarboxylic acid, 99%
	H52090	(±)-trans-4-Phenylpyrrolidine-3-carboxylic acid hydrochloride, 95%
	L02771	trans-4-(Trifluoromethyl)cinnamic acid, 98%
	B20087	trans-Aconitic acid, 98%
	A13538	trans-Cinnamic acid, 99+%
	A15765	trans-Crotonic acid, 98%

	A12143	trans-Indole-3-acrylic acid, 98+%
	H52094	(±)-trans-N-Boc-4-(3-bromophenyl)pyrrolidine-3-carboxylic acid, 95%
	H52049	(±)-trans-N-Boc-4-(3-nitrophenyl)pyrrolidine-3-carboxylic acid, 95%
	H52038	(±)-trans-N-Boc-4-(4-bromophenyl)pyrrolidine-3-carboxylic acid, 95%
	H52120	(±)-trans-N-Boc-4-(4-chlorophenyl)pyrrolidine-3-carboxylic acid, 95%
	H52134	(±)-trans-N-Boc-4-[4-(trifluoromethyl)phenyl]pyrrolidine-3-carboxylic acid, 95%
	H52011	(±)-trans-N-Boc-4-phenylpyrrolidine-3-carboxylic acid, 95%
	L03987	trans,trans-1,3-Butadiene-1,4-dicarboxylic acid, 98%
	H55271	trans,trans-4'-n-Propylbicyclohexyl-4-carboxylic acid, 97%
	B22103	Tricarballylic acid, 98%
	A11156	Trichloroacetic acid, 99%
	22156	Trichloroacetic acid, ACS, 99% min
	A14695	Tricine, 98+%
	44737	Triethylenetetramine-N,N,N',N'',N''',N'''-hexaacetic acid, 98%
	A12198	Trifluoroacetic acid, 99%
	L06374	Trifluoroacetic acid, 99%
	31771	Trifluoroacetic acid, 99.5+%

	A14365	Trifluoroacetic acid, biochemical grade, 99.5+%
	42357	Trifluoroacetic acid-d, 99.5%(Isotopic)
	A10776	Trimethylacetic acid, 99%
	B25582	Trimethylpyruvic acid, ca. 60% aq. soln.
	H51864	Tris(2-carboxyethyl)phosphine hydrochloride, 95%, 0.5M soln. in water
	40587	Tris(2-carboxyethyl)phosphine hydrochloride, 98%
	A11244	Undecanoic acid, 98%
	A16238	Valeric acid, 99%
	A12074	Vanillic acid, 98%
	L07557	Vinylacetic acid, 96%
	L10384	Xanthene-9-carboxylic acid, 98%

# Carboxylic Amides and Lactams



An amide, or an acid amide, is a compound with the functional group  $\text{C}(=\text{O})\text{N}(\text{R}^1\text{R}^2)$ . Cyclic amides are called lactams. Lactam compounds would be either secondary or tertiary amides. Lactams, depending on the ring size, bear the name alpha-lactam (3 ring atoms), beta-lactam (4 ring atoms), gamma-lactam (5 ring atoms), delta-lactam (6 ring atoms) or epsilon-lactam (7 ring atoms). The beta-lactam ring is part of the core structure of several antibiotic families, for example, penicillins, cephalosporins, carbapenems, and monobactams. Amides undergo various chemical reactions usually through an attack on the carbonyl group. There are many renowned organic reactions which involve amides, including, the Hofmann rearrangement and the Vilsmeier-Haack reaction.

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	L17271	10,11-Dihydrocarbamazepine, 99%
	H27719	1,1'-(Azodicarbonyl)dipiperidine, 97%
	H60942	1,1'-Carbonyldipyrrolidine, 98%
	H30087	1,1'-Thiocarbonyldi-2(1H)-pyridone, 95%
	H50841	1-(2-Chloronicotinoyl)piperidine, 97%
	H26449	1,4,8,11-Tetrakis(aminocarbonylmethyl)-1,4,8,11-tetraazacyclotetradecane
	H26367	1,4,8,11-Tetrakis(diethylaminocarbonylmethyl)-1,4,8,11-tetraazacyclotetradecane
	A17224	1-Acetamidoadamantane, 98%
	H33058	1-Acetyl-4-(2',4'-difluorobenzoyl)piperidine, 96%
	H55419	1-Boc-L-prolinamide, 97%
	H50081	1-Boc-pyrrolidine-3-carboxamide, 96%
	H55480	1-(Cyclohexylcarbonyl)piperazine, 97%
	H55219	1-(Cyclopropylcarbonyl)piperazine, 97%
	B22124	1-Dimethylcarbamoyl-4-(2-sulfoethyl)pyridinium inner salt, 95%
	A11833	1-Ethoxycarbonyl-4-piperidone, 98+%
	L00221	1-(Heptafluorobutyryl)imidazole, 97%
	H50913	1-Isobutyryl-4-(methylamino)piperidine, 98%
	H50914	1-Isovaleryl-4-(methylamino)piperidine, 98%

	B23986	1-Naphthylacetamide, 98%
	L00441	1-(trans-Cinnamoyl)imidazole, 98%
	H50741	2-(1-Benzyl-4-piperidinyloxy)-N-methylacetamide, 98%
	H50857	2-(1-Benzyl-4-piperidinyloxy)-N,N-dimethylacetamide
	H32069	2-(1-Boc-4-piperidinyloxy)-N-cyclopropylacetamide, 96%
	H32990	2-(1-Boc-4-piperidinyloxy)-N-methylacetamide, 96%
	H32708	2-(1-Boc-4-piperidinyloxy)-N,N-dimethylacetamide, 96%
	H50967	2-(1-Piperazinyl)nicotinamide, 95%
	H50853	2-(1-Piperazinyl)-N-(n-propyl)nicotinamide
	H50656	2-(1-Piperidinyl)acetamidoxime, 97%
	H50014	2-(2,2,2-Trimethylacetamido)-3-pyridinemethanol, 99%
	H27004	2-(2,2,2-Trimethylacetamido)benzeneboronic acid, 95%
	H50015	2-(2,2,2-Trimethylacetamido)pyridine-3-boronic acid pinacol ester, 98%
	H32011	2,2,2-Trifluoro-4'-methoxyacetanilide, 97%
	A14451	2,2,2-Trifluoroacetamide, 97%
	H32814	2,2,2-Trifluoro-N-(2-pyridylmethyl)acetamide, 96%
	H32967	2,2,2-Trifluoro-N-(3-pyridyl)acetamide, 96%
	B23851	2,2,2-Trifluoro-N-methylacetamide, 98%
	A11319	2,2,2-Trimethylacetamide, 98+%

	B21566	2,2,3,3,3-Pentafluoropropionamide, 97%
	A18294	2,2,5,5-Tetramethyl-3-pyrroline-3-carboxamide, 99%
	B25223	2-(2-Chlorophenoxy)acetamide, 97%
	H66271	2-(2-Cyanophenoxy)acetamide, 98%
	L00315	2,2-Dichloroacetamide, 98+%
	H31817	2,2-Difluoro-N-(2-hydroxyethyl)propionamide, 97%
	H25833	2,2-Difluoro-N-methoxy-N-methylacetamide, 95%
	H65898	2,2-Dimethyl-N-(2-pyridyl)propionamide, 97%
	H33510	2,2-Dimethyl-N-(3-pyridyl)propionamide, 98%
	L08847	2,2-Di-n-propylacetamide, 97%
	L08485	2,2-Diphenylacetamide, 98%
	B25254	2,2'-Thiobisacetamide, 97%
	A18397	2,3,4,5,6-Pentafluorobenzamide, 99%

	B22958	2,3,4,5-Tetrafluorobenzamide, 97+%
	L11304	2,3,4-Trifluorobenzamide, 99%
	L13043	2,3,6-Trifluorobenzamide, 97%
	L10978	2,3-Dibromopropionamide, 97%
	A17265	2,3-Dichlorobenzamide, 98%
	B24254	2,3-Difluoro-4-methylbenzamide, 97+%
	B20542	2,3-Difluorobenzamide, 97%
	A13585	2,3-Dimethylbenzamide, 98%
	H51845	2-(3-Thiocarbamoylphenyl)benzimidazole, 97%
	H50663	2-[3-(Trifluoromethyl)phenoxy]acetamidoxime, 97%
	H50673	2-[4-(1,3,4-Oxadiazol-2-yl)phenoxy]acetamidoxime, 97%
	H51933	2-[(4-(4-Morpholinylcarbonyl)phenyl]dimethylsilyl)benzyl alcohol, 95%
	H51009	2-[4-(4-Piperidinyloxy)phenyl]acetamide, 99%
	B23366	2,4-Bis(trifluoromethyl)benzamide, 97+%
	B24401	2,4-Dichloro-5-fluorobenzamide, 97+%
	B21795	2',4'-Dichloroacetanilide, 98%
	B24983	2',4'-Dichloro-N-methylacetanilide, 97%
	H26654	2,4-Dichlorothiobenzamide, 97%

	A10490	2',4'-Difluoroacetanilide, 98%
	A10375	2,4-Difluorobenzamide, 97%
	B24935	2',4'-Difluoro-N-methylacetanilide, 97%
	H55605	2',4'-Dimethylacetanilide, 98%
	H52995	2-(4-Morpholinylcarbonyl)benzeneboronic acid, 95%
	H50928	2-(4-Piperidinyloxy)acetamide, 99%
	H50865	2-(4-Piperidinyloxy)-N-propylacetamide, 95%
	H51792	2-(4-Thiocarbamoylphenyl)benzimidazole, 97%
	A16700	2',5'-Dichloroacetoacetanilide, 98%
	B25097	2,5-Dichlorobenzamide, 97%
	H32323	2,5-Dichlorothiobenzamide, 97%
	B20227	2',5'-Diethoxybenzanolide, 97%
	B20971	2,5-Difluorobenzamide, 98%
	H32225	2,5-Difluorothiobenzamide, 97%
	H32569	2,6-Dichloro-3-(trifluoromethyl)benzamide, 97%
	A15195	2',6'-Dichloroacetanilide, 98+%
	A10865	2,6-Dichlorobenzamide, 98%
	H26636	2,6-Dichlorothiobenzamide, 97%

	A11685	2,6-Difluorobenzamide, 97%
	L08424	2,6-Dihydroxybenzamide, 97%
	B25687	2',6'-Dimethylacetanilide, 97%
	L20004	2-Acetamido-5-aminopyridine, 98%
	H27456	2-Acetamido-5-bromopyridine, 98%
	L20005	2-Acetamido-5-nitropyridine, 98%
	H32034	2-Acetamido-6-methylpyridine, 98%
	H53302	2-Acetamidobenzeneboronic acid, 96%
	H53013	2-Acetamidobenzeneboronic acid pinacol ester, 96%
	B21264	2-Acetamidophenol, 97%
	L02812	2-Acetoacetotoluidide, 99+%
	A18924	2-Acrylamido-2-methylpropanesulfonic acid, 98%
	H34245	2-Amino-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxamide, 96%
	B20043	2-Amino-4-methylthiophene-3-carboxamide, 98%

	A11153	2-Amino-5-chlorobenzamide, 98+%
	H66873	2-Amino-5-fluorobenzamide, 97%
	H34215	2-Amino-6-methyl-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxamide, 96%
	H27343	2'-Aminoacetanilide, 98%
	A14756	2-Aminobenzamide, 98+%
	H53398	2-Amino-N-(2,2,2-trifluoroethyl)acetamide hydrochloride, 97%
	H66202	2-Aminonicotinamide, 97%
	L19843	2-Aminopyridine-4-carboxamide, 95%
	H51775	2-Aminopyridine-5-thiocarboxamide, 97%
	H54451	2-Aminopyrimidine-5-boronic acid pinacol ester, 96%
	A17198	2-(Benzimidazolylthio)acetic acid hydrazide, 97%
	B25133	2'-Bromo-4'-fluoroacetanilide, 98%
	H62497	2-Bromo-4-fluorobenzamide, 96%
	B22213	2'-Bromo-4'-methylacetanilide, 98%
	H62366	2-Bromo-5-fluorobenzamide, 96%
	H31250	2-Bromo-5-methoxybenzamide, 98%
	A11926	2-Bromoacetamide, 98%
	L20132	2'-Bromoacetanilide, 98+%

	A18331	2-Bromobenzamide, 98%
	H32130	2-Bromo-N-(4-chlorobenzyl)acetamide, 95%
	H50583	2-Bromo-N-methylbenzamide, 99%
	L19854	2-Bromopyridine-4-carboxamide, 97%
	H62904	2-Carbamoyl-3-fluorobenzeneboronic acid pinacol ester, 96%
	H52642	2-Carbamoylbenzeneboronic acid, 96%
	L00785	2-Chloro-2,2-difluoroacetamide, 98%
	L13136	2-Chloro-2',6'-diethylacetanilide, 96%
	L02727	2-Chloro-2',6'-dimethylacetanilide, 99%
	A14221	2-Chloro-2'-nitroacetanilide, 98%
	A12621	2-Chloro-3'-nitroacetanilide, 98%
	H55316	2-Chloro-4-(1-pyrrolidinylcarbonyl)benzeneboronic acid, 97%
	H55340	2-Chloro-4-(4-morpholinylcarbonyl)benzeneboronic acid, 97%
	A17669	2-Chloro-4'-fluoroacetanilide, 98%
	B21762	2'-Chloro-4'-fluoroacetanilide, 98%
	H32001	2-Chloro-4-fluorothiobenzamide, 97%
	H55778	2-Chloro-4-(methylcarbamoyl)benzeneboronic acid, 97%
	A19702	2-Chloro-4-nitrobenzamide, 98%

	B22310	2'-Chloro-4'-(trifluoromethyl)acetanilide, 96%
	H54574	2-Chloro-5-(2,3-dichlorophenylcarbamoyl)benzeneboronic acid, 97%
	H54980	2-Chloro-5-(2,4-difluorophenylcarbamoyl)benzeneboronic acid, 97%
	H54433	2-Chloro-5-(2,5-dichlorophenylcarbamoyl)benzeneboronic acid, 97%
	H54492	2-Chloro-5-(2,5-difluorophenylcarbamoyl)benzeneboronic acid, 97%
	H55558	2-Chloro-5-(2-fluoro-5-methylphenylcarbamoyl)benzeneboronic acid, 97%
	H55697	2-Chloro-5-(2-fluoro-5-nitrophenylcarbamoyl)benzeneboronic acid, 97%
	H55624	2-Chloro-5-(2-methylphenylcarbamoyl)benzeneboronic acid, 97%
	H55806	2-Chloro-5-(3-methylphenylcarbamoyl)benzeneboronic acid, 97%
	H55964	2-Chloro-5-(3-nitrophenylcarbamoyl)benzeneboronic acid, 97%
	H54425	2-Chloro-5-(cyclohexylcarbamoyl)benzeneboronic acid, 97%
	H54576	2-Chloro-5-(cyclopropylcarbamoyl)benzeneboronic acid, 97%
	H54655	2-Chloro-5-(dimethylcarbamoyl)benzeneboronic acid, 97%
	H54221	2-Chloro-5-(ethylcarbamoyl)benzeneboronic acid, 97%

	B23093	2-Chloro-5-fluorobenzamide, 97+%
	H55541	2-Chloro-5-(isopropylcarbamoyl)benzeneboronic acid, 97%
	H55618	2-Chloro-5-(methylcarbamoyl)benzeneboronic acid, 97%
	B23020	2-Chloro-6-fluoro-3-methylbenzamide, 97+%
	B21294	2-Chloro-6-fluorobenzamide, 98%
	L18853	2-Chloro-6-methylbenzamide, 98%
	L16949	2-Chloro-6-nitrobenzamide, 98%
	H32515	2-Chloro-6-(trifluoromethyl)benzamide, 97%
	A15238	2-Chloroacetamide, 98+%
	A14711	2'-Chloroacetanilide, 98+%
	A18674	2'-Chloroacetoacetanilide, 98%
	A15706	2-Chlorobenzamide, 98%
	H56225	2-Chloro-N-(2,3-dimethylphenyl)benzamide, 97%
	H33671	2-Chloro-N-(3-cyano-5,6,7,8-tetrahydro-4H-cyclohepta[b]thiophen-2-yl)acetamide, 96%
	H33934	2-Chloro-N-(3-cyano-5,6-dihydro-4H-cyclopenta[b]thiophen-2-yl)acetamide, 96%
	H50534	2-Chloro-N-(4-cyano-3-methylisoxazol-5-yl)nicotinamide
	H50428	2-Chloro-N-(4-hydroxyphenyl)benzamide, 97%
	H33522	2-Chloro-N-(5-phenyl-1,2,4-thiadiazol-3-yl)acetamide, 96%

	H50533	2-Chloro-N-cyclohexylnicotinamide, 99%
	H32456	2-Chloro-N-cyclopropylacetamide, 97%
	H57514	2-Chloro-N-ethylnicotinamide, 97%
	H57840	2-Chloro-N-ethyl-N-methylnicotinamide, 97%
	A12247	2-Chloro-N-(hydroxymethyl)acetamide, 98%
	L17048	2-Chloro-N-methoxy-N-methylacetamide, 98%
	H32362	2-Chloro-N-methylacetamide, 97%
	H56910	2-Chloro-N-methylbenzamide, 97%
	H57963	2-Chloro-N-methylnicotinamide, 97%
	A13691	2-Chloro-N,N-diethylacetamide, 97%
	H50229	2-Chloro-N,N-dimethylacetamide, 97%
	H59948	2-Chloro-N,N-dimethylbenzamide, 97%
	H57162	2-Chloro-N,N-dimethylnicotinamide, 97%
	H59623	2-Chloro-N-phenylbenzamide, 97%
	H50740	2-Chloro-N-(R)-(1-phenylethyl)acetamide, 97%
	H25769	2-Chloropyridine-4-carboxamide, 98+%
	L11180	2-Chlorothiobenzamide, 97%
	H52263	2-Chlorothioisonicotinamide, 97%

	B21596	2-Cyanobenzamide, 98%
	H52951	2-(Diethylcarbamoyl)benzeneboronic acid, 95%
	H52765	2-(Dimethylcarbamoyl)benzeneboronic acid, 95%
	H32394	2-Ethoxy-3,5-difluorobenzamide, 97%
	B25455	2-Ethoxybenzamide, 97%
	H30941	2-(Ethoxycarbonyl)benzeneboronic acid pinacol ester, 97%
	H54151	2-(Ethylcarbamoyl)pyridine-5-boronic acid pinacol ester, 96%
	H56455	2-Fluoro-3-(methoxycarbonyl)benzeneboronic acid, 98%
	H56390	2-Fluoro-3-(methylcarbamoyl)benzeneboronic acid, 95%
	L10135	2-Fluoro-3-(trifluoromethyl)benzamide, 97%
	H32354	2-Fluoro-4,6-bis(trifluoromethyl)benzamide, 97%
	H31636	2-Fluoro-4-methoxybenzamide, 97%
	H33952	2-Fluoro-4-(pentafluorothio)benzamide, 97%
	H34234	2-Fluoro-4-(trifluoromethoxy)benzamide, 97%

	L10319	2-Fluoro-4-(trifluoromethyl)benzamide, 97%
	H52993	2-Fluoro-5-(1-piperidinylcarbonyl)benzeneboronic acid, 97%
	H53346	2-Fluoro-5-(1-pyrrolidinylcarbonyl)benzeneboronic acid, 98%
	H54774	2-Fluoro-5-(2-fluoro-5-nitrophenylcarbamoyl)benzeneboronic acid, 97%
	H54510	2-Fluoro-5-(2-fluorobenzylcarbamoyl)benzeneboronic acid, 97%
	H54710	2-Fluoro-5-(2-nitrophenylcarbamoyl)benzeneboronic acid, 97%
	H54243	2-Fluoro-5-(2-pyridylcarbamoyl)benzeneboronic acid, 97%
	H54184	2-Fluoro-5-(3-methoxyphenylcarbamoyl)benzeneboronic acid, 97%
	H54985	2-Fluoro-5-(4-fluorobenzylcarbamoyl)benzeneboronic acid, 97%
	H54213	2-Fluoro-5-(4-morpholinylcarbonyl)benzeneboronic acid, 97%
	H54045	2-Fluoro-5-(isobutylcarbamoyl)benzeneboronic acid, 97%
	H52605	2-Fluoro-5-(isopropylcarbamoyl)benzeneboronic acid, 98%
	H33148	2-Fluoro-5-methoxy-3-(trifluoromethyl)benzamide, 97%
	H53267	2-Fluoro-5-[methoxy(methyl)carbamoyl]benzeneboronic acid, 98%
	H33960	2-Fluoro-5-methyl-4-(trifluoromethyl)benzamide, 97%
	H53178	2-Fluoro-5-(methylcarbamoyl)benzeneboronic acid, 98%
	H54928	2-Fluoro-5-[N-methyl-N-(2-nitrophenyl)carbamoyl]benzeneboronic acid, 97%
	H53280	2-Fluoro-5-(n-propylcarbamoyl)benzeneboronic acid, 97%

	H52711	2-Fluoro-5-(phenylcarbamoyl)benzeneboronic acid, 98%
	H32798	2-Fluoro-5-(trifluoromethoxy)benzamide, 97%
	L10875	2-Fluoro-5-(trifluoromethyl)benzamide, 97%
	H32774	2-Fluoro-6-methoxybenzamide, 98%
	H34121	2-Fluoro-6-nitro-N-phenylbenzamide, 95%
	A16927	2'-Fluoroacetanilide, 98+%
	H59705	2-Fluoro-N-(3,5-dimethylphenyl)benzamide, 97%
	H56104	2-Fluoro-N-methylbenzamide, 97%
	H59063	2-Fluoro-N-phenylbenzamide, 97%
	L17399	2-Hydroxy-2-(trifluoromethyl)propionic acid, 94%
	B20630	2'-Hydroxy-5'-methylacetanilide, 97%
	H52239	2-Hydroxy-6-methylthionicotinamide, 97%
	A14715	2-Iodoacetamide, 98%, stab. with ca 5-8% water
	H31468	2-Iodopyridine-4-carboxamide, 95%
	B21237	2'-Isopropylacetanilide, 97+%
	H32690	2-Methoxy-3-(trifluoromethyl)benzamide, 97%
	H32960	2-Methoxy-6-(trifluoromethyl)benzamide, 97%
	A12520	2-Methoxybenzamide, 98+%

	H56836	2-Methoxy-N-methylbenzamide, 97%
	H32737	2-Methoxythiobenzamide, 97%
	B22054	2'-Methyl-4'-nitroacetanilide, 97%
	H31516	2-Methyl-5-(trifluoromethyl)benzamide, 97%
	A13235	2'-Methylacetanilide, 98+%
	H54628	2-(Methylcarbamoyl)benzeneboronic acid, 97%
	H54084	2-(Methylcarbamoyl)pyridine-5-boronic acid pinacol ester, 96%
	L09203	2-Methylmalonamide, 95%
	H26907	2'-(Methylsulfonyl)acetanilide, 96%
	A16677	2'-Nitroacetanilide, 98+%
	A14084	2-Nitrobenzamide, 98%
	B25259	2-(n-Propylthio)nicotinamide, 97%
	A14934	2-Phenoxyacetamide, 98%
	H60626	2-Phenylacetamide, 99%

	L08600	Phthalamide, 97%
	H52492	Potassium 2-carbamoylphenyltrifluoroborate, 96%
	H51181	Potassium 3-(1-piperidinylcarbonyl)phenyltrifluoroborate, 96%
	H51183	Potassium 3-(2-methoxyethylaminocarbonyl)phenyltrifluoroborate, 97%
	H51142	Potassium 3-(4-morpholinylcarbonyl)phenyltrifluoroborate
	H51182	Potassium 3-(furylaminocarbonyl)phenyltrifluoroborate
	H51184	Potassium 3-(phenylaminocarbonyl)phenyltrifluoroborate
	H51146	Potassium 4-(1-piperidinylcarbonyl)phenyltrifluoroborate, 97%
	H51893	Potassium 4-(1-pyrrolidinylcarbonyl)phenyltrifluoroborate, 95%
	H51148	Potassium 4-(2-methoxyethylaminocarbonyl)phenyltrifluoroborate, 97%
	H51889	Potassium 4-(4-methyl-1-piperazinylcarbonyl)phenyltrifluoroborate, 95%
	H51141	Potassium 4-(4-morpholinylcarbonyl)phenyltrifluoroborate
	H51887	Potassium 4-(benzylaminocarbonyl)phenyltrifluoroborate, 95%
	H53054	Potassium 4-carbamoylphenyltrifluoroborate, 96%
	H51892	Potassium 4-(diethylaminocarbonyl)phenyltrifluoroborate, 95%
	H51147	Potassium 4-(furylaminocarbonyl)phenyltrifluoroborate
	H51896	Potassium 4-(N,O-dimethylhydroxylaminocarbonyl)phenyltrifluoroborate, 95%
	H51150	Potassium 4-(phenylaminocarbonyl)phenyltrifluoroborate, 97%

	H51886	Potassium 4-(tetrahydrofurylaminocarbonyl)phenyltrifluoroborate, 95%
	H52319	Propiolamide, 96%
	A11559	p-Toluamide, 98+%
	A15410	Pyridine-2-carboxamide, 98%
	H51710	Pyridine-2-thiocarboxamide, 97+%
	H31758	Pyridine-3,4-dicarboximide
	H52578	(R)-3-(Boc-amino)-4-hydroxybutyramide, 97%
	B20841	(R,R)-Chloramphenicol, 98%
	L19689	(S)-(-)-1-Benzyl-3-acetamidopyrrolidine, 98%, ee 99%
	H55576	(S)-(+)-2-Aminobutyramide hydrochloride, 99%
	B25425	(S)-(-)-2-(Phenylcarbamoyloxy)propionic acid, 99%
	H52798	(S)-3-(Boc-amino)-4-hydroxybutyramide, 97%
	H34160	(S)-Benzyl 1-[(S)-2-benzyloxycarbonylamino-6-(2,2,2-trifluoroacetamido)hexanoyl]pyrrolidine-2-carboxylate, 95%
	H50785	(S)-N-Methyl-4-(3-pyrrolidinyloxy)benzamide, 98%
	H51014	(S)-N-Propyl-4-(3-pyrrolidinyloxy)benzamide, 99%
	H25986	(S,S)-1,2-Bis(4-acetamidophenyl)-1,2-ethanediamine dihydrochloride, 95%, ee 99%
	A19836	Sulfacetamide, 98%
	H60837	Tenoxicam

	L00259	tert-Butyl carbamate, 98+%
	H26014	tert-Butyl N-allylcarbamate, 97%
	A12973	Thiobenzamide, 98%
	A11144	Thionicotinamide, 98%
	A15219	Thiophene-2-carboxamide, 99%
	H36265	Tocainide hydrochloride, 98%
	B21698	Tolbutamide, 98%
	H62397	trans-1-(Boc-amino)-4-(N-methoxy-N-methylcarbamoyl)cyclohexane, 97%
	H62529	trans-3-Aminocyclohexanecarboxamide hydrochloride, 97%
	H59183	trans-Crotamiton, 97%
	L14601	Valeramide, 97%
	H37305	Vorinostat, 98%

# (Thio)Carboxylic Acid Salts



Carboxylic acid salts or carboxylate salts are organic compounds that have a  $-C(=O)O-$  anionic group in them. Carboxylate salts have the general formula  $M(RCOO)_n$ , where M is a metal or a cation like ammonium. The negative charge delocalizes between the oxygen atoms. Carboxylic acid salts are extensively used in the preparation of buffer solutions. They also find utility as flavor enhancers and preservatives. Sodium salts of benzoic acid and formic acid are frequently used in organic synthesis as nucleophilic agents. Pyrolysis of calcium salts is a route to the preparation of ketones. The ammonium salt of carboxylic acid is used in the preparation of carboxamides. Industrially, sodium or potassium salts of long chain fatty acids are used in the manufacture of the anionic surfactant soap.

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	44247	Bicinchoninic acid disodium salt
	45500	Bismuth 2-ethylhexanoate acid
	A18266	Calcium 2-ethylhexanoate, 98%
	42721	Calcium 3-hydroxy-3-methylbutyrate hydrate, 97+%
	18865	Cesium propionate, complex with propionic acid
	A10458	Diethylammonium diethyldithiocarbamate, 98%
	A16609	D-Pantothenic acid calcium salt, 98%
	33312	Ethylenediaminetetraacetic acid disodium salt dihydrate, ACS, 99.0-101.0%
	40519	Ethylenediaminetetraacetic acid manganese disodium salt hydrate
	22425	Ethylenediaminetetraacetic acid tripotassium salt
	22426	Ethylenediaminetetraacetic acid zinc disodium salt hydrate
	H35403	Ethyl potassium oxalate, 97%
	43809	Iminodiacetic acid disodium salt hydrate, 97%
	44798	Lithium 2,2-di-n-propylacetate, 97+%
	A16308	Lithium pyruvate monohydrate
	44841	Malonic acid disodium salt, 99%
	45557	Mercaptoacetic acid calcium salt trihydrate, 98%
	H61342	Methyl 3-(2-bromophenyl)propionate, 98%

	L05405	Potassium thioacetate, 98%
	H61741	Potassium thiobenzoate, 95%
	A16802	S-Acetylthiocholine iodide, 98%
	A12622	S-Butyrylthiocholine iodide, 98%
	B22144	S-Methyl thiobutyrate, 98%
	41529	Sodium DL-lactate, 60% w/w aq. soln.
	A19428	Sodium hydrogen DL-malate, 98%
	H33577	Sodium hyodeoxycholate, 98%
	A16187	Sodium L-(+)-tartrate dihydrate, 99%
	H56767	Sodium phenylpyruvate, 98%
	A14027	Sodium phenylpyruvate monohydrate, 98%
	41983	Sodium succinate hexahydrate, 99%
	A12274	Trisodium citrate dihydrate, 99%
	H33734	Zinc acetate, anhydrous, 99.9+%

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