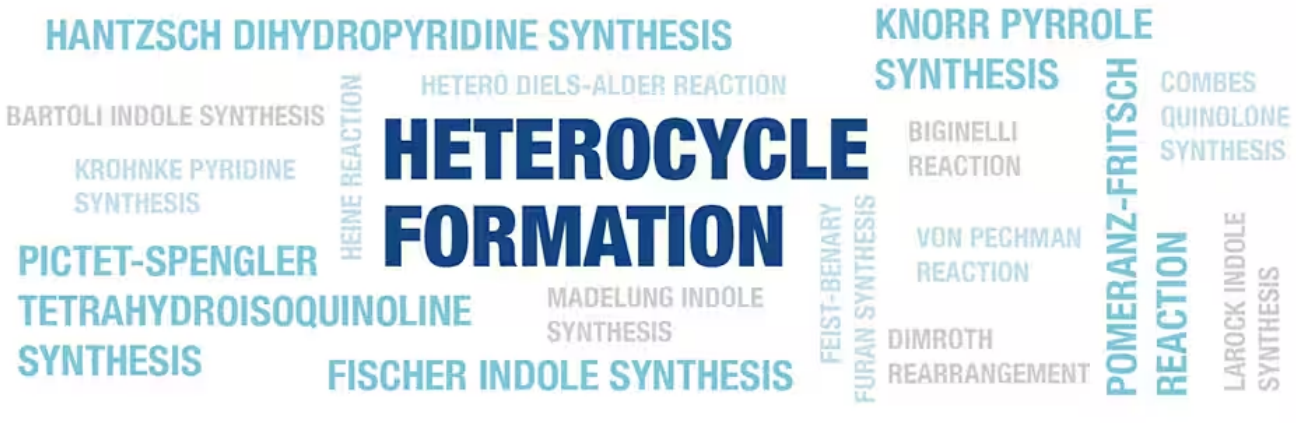
Mixed & other Heterocycles

There are a number heterocycles known which have more than two different hetero atoms. These compounds consist of a four membered or five membered or a six membered heterocyclic ring separately or fused to a benzene ring to form a benzo heterocyclic compound. Examples include, but are not limited to, isoxazole (a five membered heterocyclic compound containing nitrogen and oxygen atoms), benzoisoxazole (a benzo heterocyclic compound containing oxygen and nitrogen atoms), and the benzothiadiazoles (a benzo heterocyclic compound containing sulfur and nitrogen atoms).

Benzisoxazoles

Benzisoxazole, also known as anthranil, benzo[d]isoxazole or benz[c]isoxazole, is an aromatic organic compound containing a benzene-fused isoxazole ring structure. Its aromaticity makes it relatively stable. It has reactive sites which allow for functionalization.

Benzisoxazole finds use in research as a starting material for the synthesis of a larger number of bioactive structures. Benzisoxazoles are found to display a variety of biological activities such as antihelmintic, anticonvulsant, antipsychotic, antihistaminic, anticancer, antiviral, antiproliferative, antiinflammatory, antioxidant, antidepressant, hypertensive, anticonvulsant, and anticoagulant properties. The derivatives of 6-acetamidobenzisoxazole-3-acetic acid have been reported to have tuberculostatic activity. Compounds belonging to the 3-aminobenzisoxazole series have been shown to possess sedative and analgesic properties. Some compounds are found to have trypanocidal activity. 4,5,6,7-Tetrahydro derivatives were tested as analeptics; derivatives of napthisoxazolyl phosphotioate have been used as acricides, insecticides, and larvicides. 1,2-Benzisoxazoles have been reported to have potential tuberculostatic, analgesic, and sedative activities (Wanare R. K.. J Pharm Biomed Sci., 2012, 24(24); 97-101).

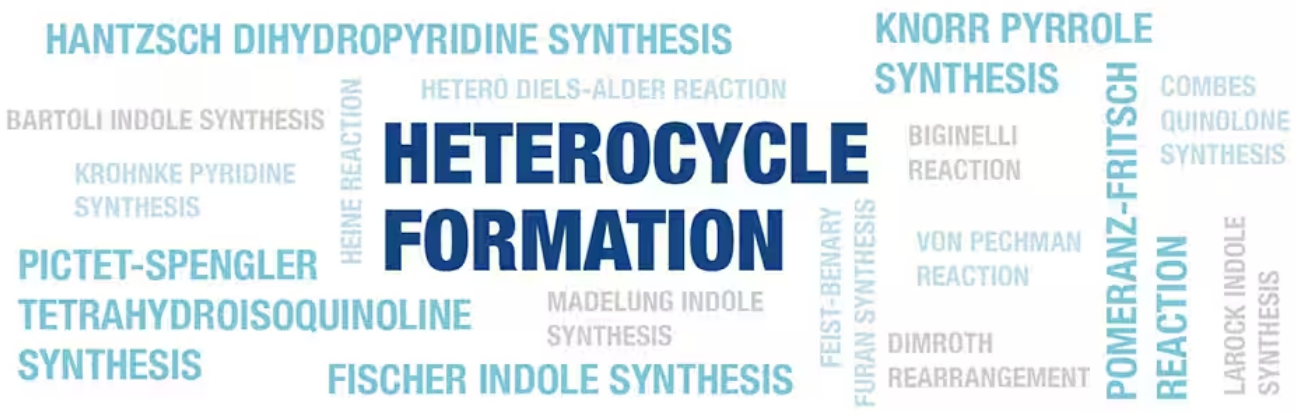


H50899	1,2-Benzisoxazol-3(2H)-one, 96%
B23400	1,2-Benzisoxazole, 95%
H33817	3-(1-Acetyl-4-piperidinyl)-5-fluoro-1,2-benzisoxazole, 96%
H50746	3-(1-Piperazinyl)-1,2-benzisoxazole, 96%
B23130	5-Chloro-3-phenyl-2,1-benzisoxazole, 98+%
H33044	5-Fluoro-3-(4-piperidinyl)-1,2-benzisoxazole hydrochloride, 96%

Benzoxazoles

Benzoxazole is an aromatic organic compound having a benzene-fused oxazole ring structure, and an odor similar to pyridine. It is an important heterocyclic ring system which can either be isolated from natural products or accessed by total synthesis. Benzoxazoles can be considered as structural isosteres of the naturally occurring nucleic bases adenine and guanine, which allow them to interact easily with polymers of living systems.

The benzoxazole moiety is found in many biologically active compounds such as anticancer, antibacterial, antimicrobial, polycyclic and polyether antibiotics, antiparasites, anti-inflammatories, and anti convulsants. Furthermore, it is present in elastase inhibitors, whitening agents, polybenzoxazole polymers, synthetic heat resistant fibres, and optical bleaching agents. Benzoxazole has the ability to form complexes with double stranded DNA, which gives it an anti-cancer property and inhibits the enzyme mycobacterium tuberculosis Enoyl-ACP reductase, which prevents mycolic acid production, and in turn results in anti-tubercular activity. The 2-(2-arylphenyl)benzoxazole moiety has been found to be a new and selective ligand for the enzyme cyclooxygenase-2 (COX-2) (Seth, K., □2-(2-Arylphenyl)benzoxazole As a Novel Anti-Inflammatory Scaffold: Synthesis and Biological Evaluation□, ACS Med. Chem. Lett., 2014, 5 (5), 512□516).



B22617	2,5,6-Trimethylbenzoxazole, 98%
A14928	2,5-Bis(5-tert-butyl-2-benzoxazolyl)thiophene, 99%
B21780	2,5-Dimethylbenzoxazole, 99%
L07981	2-Chlorobenzoxazole, 98%
A12346	2-Mercaptobenzoxazole, 98+%
B22415	2-Methyl-6-nitrobenzoxazole, 98%
A13198	2-Methylbenzoxazole, 97%
H66828	(2-Oxo-3-benzoxazolyl)acetic acid, 97%
B24906	2-Phenylbenzoxazole, 99%
H55607	3,3'-Diethyloxacarbocyanine iodide, 98%
H55777	3,3'-Di-n-heptyloxacarbocyanine iodide, 97%
H55574	3,3'-Di-n-hexyloxacarbocyanine iodide, 98%
B24507	5-Chloro-2(3H)-benzoxazolone, 99%
H27083	5-Chlorobenzoxazole, 95%

Other Benzo Heterocycles

Benzoheterocycles are heterocycles which are fused with a benzene ring. Coumarone, thianaphthene, benzopyridine, isoquinoline, and dibenzopyridine are important benzoheterocycles. Benzoheterocycles are found in natural substances. Most of the biologically important alkaloid compounds contain benzoheterocycles.

Several benzoheterocycles have been reported so far as possessing various biological activities and some of the examples are camptothecin which is a quinoline alkaloid inhibiting the DNA enzyme topoisomerase. Reserpine is an indole alkaloid, which has been used for the control of high blood pressure and the treatment of psychotic behavior. Ajmaline and strychnine are also indole alkaloids, the former being an antiarrhythmic agent and the latter an extremely toxic pesticide. The neurotoxins, saxitoxin and tetrodotoxin, both have marine origins and are characterized by guanidiniun moieties. Aflatoxin B1 is a non-nitrogenous carcinogenic compound produced by the Aspergillus fungus. Tryptophan is an essential amino acid and acts as a building block in protein synthesis and is also an important constituent of protein-based food and dietary fibres. In addition to other applications, benzoheterocycles are used in the industry as solvent, dyes and rubber vulcanization accelerators.

B21804	1,1,2-Trimethyl-1H-benzo[e]indole, 97%
A19798	1,2,3-Benzotriazin-4(3H)one, 97%
H33689	1-(6-Trifluoromethyl-2-pyridyl)-1,4-diazepane, 95%
A16140	1H-Benzotriazol-1-yloxytris(dimethylamino)phosphonium hexafluorophosphate, 98%
H26003	1H-Benzotriazole-4-sulfonic acid, 97%
A15423	1H-Benzotriazole, 99%
H53386	1-Methylsulfonyl-1H-benzotriazole, 97%
H33466	1-n-Butyl-6-chloro-2-((E)-2-[4-(dimethylamino)phenyl]ethenyl)benzo[cd]indolium tetrafluoroborate, 96%
H61025	2,2-Dimethyl-2H-1,4-benzoxazin-3(4H)-one, 97%
H61058	2,2-Dimethyl-3,4-dihydro-2H-1,4-benzoxazine, 97%
H61097	2,2-Dimethyl-6-nitro-2H-1,4-benzoxazin-3(4H)-one, 97%
H61062	2,2-Dimethyl-7-nitro-2H-1,4-benzoxazin-3(4H)-one, 97%
L13582	2,3-Dihydro-5H-1,4-benzodioxepin-5-one, 98%
H26042	2-(3-Piperidinyl)azepane, tech. 90%

H61328	2-Amino-6-(trifluoromethoxy)benzothiazole, 98%
A19378	2-Benzoxazolinone, 98%
H54266	2-Chlorodibenzo[b,f]-1,4-oxazepin-11(10H)-one, 97%
H27622	2H-1,4-Benzoxazin-3(4H)-one, 99%
H61012	2-Methyl-2H-1,4-benzothiazin-3(4H)-one, 97%
H61075	2-Methyl-2H-1,4-benzoxazin-3(4H)-one, 97%
H61005	2-Methyl-3,4-dihydro-2H-1,4-benzothiazine, 97%
H61045	3,4-Dihydro-2H-1,4-benzothiazine, 97%
H62290	3,4-Dihydro-2H-1,4-benzoxazine-6-boronic acid pinacol ester
H33641	3,4-Dihydro-2H-1,4-benzoxazine, 97%
H53484	3,6-Di-2-pyridyl-1,2,4,5-tetrazine, 96%
H26481	3-Diethoxyphosphoryloxy-1,2,3-benzotriazin-4(3H)-one, 98%
L08903	3-Ethylbenzothiazolium bromide, 98%
H50275	3-Oxo-2,3-dihydro-4H-1,4-benzoxazine-4-acetic acid, 98%
H62168	3-Oxo-3,4-dihydro-2H-1,4-benzoxazine-6-boronic acid pinacol ester
H61095	4-(2-Chloroacetyl)-2H-1,4-benzothiazine, 97%
H32145	4-(4-Pyridylmethyl)-1(2H)-phthalazinone, 96%
B25304	5,6-Dimethyl-1H-benzotriazole monohydrate, 99%
L06660	5-Amino-1H-benzotriazole, 96%

A10615	5-Methyl-1H-benzotriazole, 98+%
H50474	5-Oxo-2,3-dihydro-1H,5H-benzo[ij]quinolizine-6-carboxaldehyde
H60385	6-Bromo-2-benzothiazolinone, 98%
H61089	6-Bromo-3,4-dihydro-2H-1,4-benzothiazine, 97%
H61070	6-Bromo-3,4-dihydro-2H-1,4-benzoxazine, 97%
H62026	6-Bromo-7-fluoro-2,4-dihydro-1,4-benzoxazin-3-one, 96%
H62259	6-Bromo-7-fluoro-3,4-dihydro-2H-1,4-benzoxazine, 96%
H27198	6-Methyl-3-oxo-2,3-dihydro-4H-1,4-benzoxazine-4-propionitrile, 97%
H61031	6-Nitro-2H-1,4-benzothiazin-3(4H)-one, 97%
H33900	6-Nitro-3,4-dihydro-2H-1,4-benzoxazine, 97%
H54378	(7-Aza-1H-benzotriazol-1-yloxy)tri(1-pyrrolidinyl)phosphonium hexafluorophosphate, 99+%
H26609	7-Aza-1H-benzotriazol-1-yloxytris(dimethylamino)phosphonium hexafluorophosphate, 98+%
H61021	7-Bromo-3,4-dihydro-2H-1,4-benzothiazine, 97%
H61071	7-Bromo-3,4-dihydro-2H-1,4-benzoxazine, 97%
H27157	7-Chloro-2H-1,4-benzothiazin-3(4H)-one, 97%
H61092	7-Fluoro-6-nitro-2H-1,4-benzoxazin-3(4H)-one, 97%
H61065	7-Fluoro-6-nitro-3,4-dihydro-2H-1,4-benzoxazine, 97%

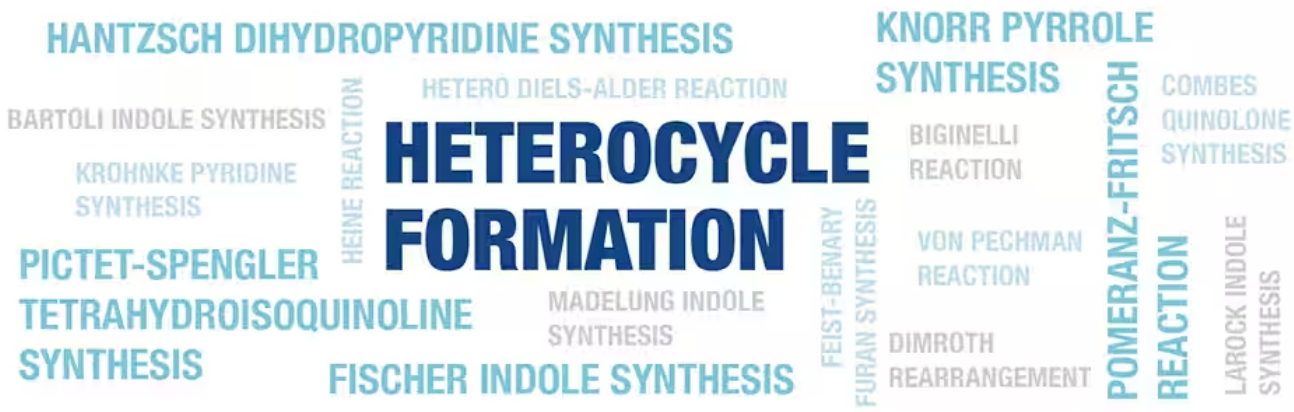
H27837	7-Methoxy-1,4-benzothiazin-3(4H)-one, 97%
H61050	7-Nitro-2H-1,4-benzothiazin-3(4H)-one, 97%
H61048	7-Nitro-3,4-dihydro-2H-1,4-benzothiazine, 97%
H61032	7-Nitro-3,4-dihydro-2H-1,4-benzoxazine, 97%
L00409	Benzo[c]cinnoline, 99%
L12011	Benzofuroxan-5-carboxylic acid, 97%
A17794	Benzo[h]quinoline, 98%
A18796	(-)-Cinchonidine, 99% (total base), may cont. up to 5% quinine
A17523	(+)-Cinchonine, 98+%, cont. up to 3% quinidine/dihydroquinidine and 3% quinine/dihydroquinine
L00465	Diethyl (1H-benzotriazol-1-yl)iminomalonate, 98%
A17039	DL-alpha-Tocopherol, 97+%
A18360	Ethyl 3-methyl-4H-1,4-benzothiazine-2-carboxylate, 98%
A19204	Iminodibenzyl, 97%
A14603	Isatoic anhydride, 97%
H64467	Methyl 3-oxo-3,4-dihydro-2H-1,4-benzothiazine-6-carboxylate, 97%
H33685	Methyl 3-oxo-3,4-dihydro-2H-1,4-benzoxazine-6-carboxylate, 97%
B24099	N-Methylisatoic anhydride, tech. 90%
H54144	N,N,N',N'-Tetramethyl-O-(4-oxo-3,4-dihydro-1,2,3-benzotriazin-3-yl)uronium tetrafluoroborate, 98+%

B23597	O-(1H-Benzotriazol-1-yl)-N,N,N',N'-tetramethyluronium hexafluorophosphate, 98%
L13470	O-(1H-Benzotriazol-1-yl)-N,N,N',N'-tetramethyluronium tetrafluoroborate, 99%
H26402	O-(6-Chloro-1H-benzotriazol-1-yl)-N,N,N',N'-tetramethyluronium hexafluorophosphate, 98+%
H54732	O-(6-Chloro-1H-benzotriazol-1-yl)-N,N,N',N'-tetramethyluronium tetrafluoroborate, 99+%
H26082	O-(7-Aza-1H-benzotriazol-1-yl)-N,N,N',N'-tetramethyluronium hexafluorophosphate, 99%
A17036	Quinine hemisulfate monohydrate, 98+%
H61655	tert-Butyl (S)-2-(3-amino-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-1-yl)acetate, 98%
A13346	Uric acid, 99%
A14505	Vitamin E acetate, 97%

Oxazoles / Oxazolines

Oxazoles are five-membered heterocyclic aromatic compounds, having an oxygen atom and a nitrogen atom at the 1- and 3- positions of the ring. Oxazole is weakly basic in nature, and its conjugate acid has a pKa of 0.8. The biological activities of the oxazole moiety include anti-inflammatory, antibiotic, antiproliferative, analgesic, antifungal, hypoglycemic, anti-tuberculosis, and muscle relaxant activities. In addition to this, oxazole chemistry further involves the metalation of the oxazole ring, which has an alkyl substituent, and the reactions of these organometallic species with electrophiles. This development is useful in the synthesis of various complex oxazole ring-containing macrocyclic antibiotics.

Oxazoline is a five-membered heterocyclic organic compound similar to oxazoles except that it has one double bond in the ring. With respect to the position of the double bond, there exist three isomeric oxazolines. Oxazolines form a core structure in many biologically active compounds possessing antimycobacterial and anticancer activities. Polyoxazolines, prepared by polymerization of 2-oxazolines, have several biological applications, including coating, pigment dispersion, and many biomedical uses including drug and gene delivery. (Review: "Strategies for the Synthesis of Poly(2-oxazoline)-Based Hydrogels", Kelly, A.M., et al. Macromolecular Rapid Commun. 2012, 33(19), 1632□1647). Asymmetric catalysis with chiral 2-oxazolidine based ligands is one of the most preferred methods for chiral transformations to prepare chiral carboxylic acids, alcohols, lactones, and thiiranes. Bis-oxazolines (BOX), phosphinooxazolines (PHOX), and tris-oxazolines (TRISOX) are some of the oxazolidine-based ligands employed in asymmetric synthesis. Due to the inertness of the oxazoline ring system to various reagents like the Grignard reagent, hydrides, alkalis, mild acids, and chromium (III) oxide; it is an attractive protecting group for carboxylic acids.



A16679	2-(1-Naphthyl)-5-phenyloxazole, laser grade and suitable for scintillation spectrometry, 99+%
L13428	2-(2,6-Dimethoxyphenyl)-4,4-dimethyl-2-oxazoline, 98+%
B22228	2,4,5-Trimethyl-3-oxazoline, cis + trans, 99%
A10328	2,4,5-Trimethyloxazole, 97%
A13623	2,5-Bis(4-biphenylyl)oxazole, 99%
A10654	2,5-Diphenyloxazole, 99%
H34360	2-Aminooxazole, 97%
B25147	2-Benzyl-4,4-dimethyl-2-oxazoline, 95%
B23287	2-Ethyl-2-oxazoline, 99%
B22117	2-Ethyl-4,4-dimethyl-2-oxazoline, 97%
H27470	2-Ethyl-4,5-dimethyloxazole, 98%
B20111	2-Mercapto-4,5-diphenyloxazole, 98%
B24612	2-Methyl-2-oxazoline, 99%
B21806	2-Methylnaphtho[2,3-d]oxazole, 98%

A14543	2-Oxazolidinone, 99%
L00194	2-Phenyl-5-oxazolone, 97%
H33997	3-(4,4-Dimethyl-2-oxazolinyl)pyridine, 97%
B24362	3,5,5-Trimethyloxazolidine-2,4-dione, 98%
41209	3-Trimethylsilyl-2-oxazolidinone
A12670	4,4-Dimethyl-2-oxazoline, 98%
H52632	4-[5-(4-Dimethylaminophenyl)-2-oxazolyl]benzeneboronic acid, 97%
A10155	4-Ethoxymethylene-2-phenyloxazolin-5-one, 98+%
H52399	4-Methyloxazole-5-methanol, 97+%
L14518	(4R)-(+)-4-Isopropyl-2-oxazolidinone, 98+%
A14029	(4S)-(-)-Isopropyl-2-oxazolidinone, 98%
H34123	5-(2-Pyridyl)-1,3-oxazole, 97%
H34161	5-(3-Bromophenyl)-1,3-oxazole, 97%
H32237	5-Bromobenzoxazole-2-thiol, 97%
H32749	5-Chlorobenzoxazole-2-thiol, 97%
H31825	5-Fluorobenzoxazole-2-thiol, 97%
L08775	Bis(2-oxo-3-oxazolidinyl)phosphinic chloride, 97%
H30009	Dimethyl oxazole-4,5-dicarboxylate, 99%
H32542	Ethyl 2-aminooxazole-4-carboxylate, 95%

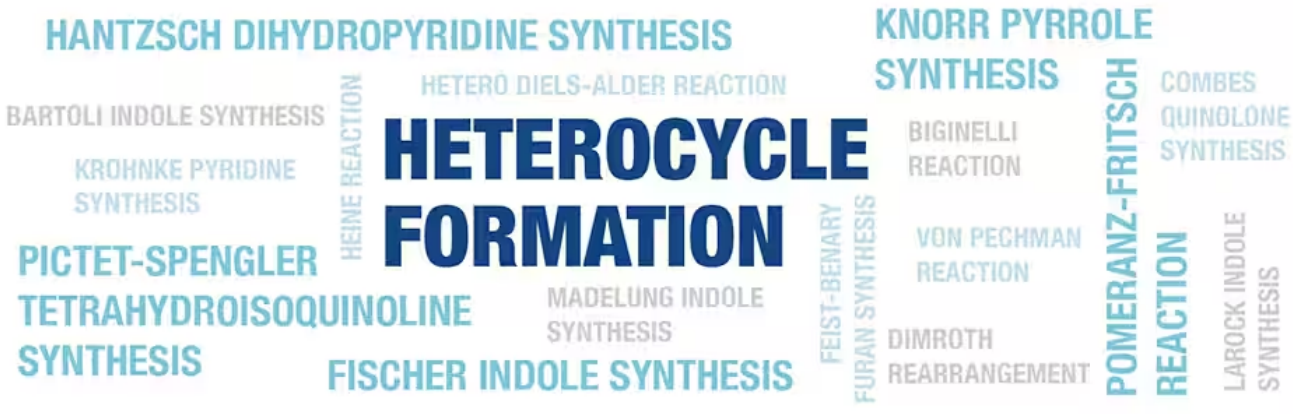
H31521	Ethyl 2-chlorooxazole-4-carboxylate, 95%
H52404	Ethyl 4-methyloxazole-5-carboxylate, 97+%
H32924	Ethyl oxazole-5-carboxylate, 98%
H30179	Oxazole-5-carboxylic acid, 98+%
L18341	Oxazole, 98+%
H27240	(R)-(+)-3-(Benzyloxycarbonyl)oxazolidine-4-carboxylic acid, 98%
H63351	(R)-(+)-3-Boc-2,2-dimethyloxazolidine-4-carboxaldehyde, 95%
H51075	(R)-(-)-4-(3-Indolylmethyl)-2-oxazolidinone, 98%
A16770	(R)-(+)-4-Benzyl-2-oxazolidinone, 99%
H51074	(R)-(+)-4-(Diphenylmethyl)-2-oxazolidinone, 97%
H27171	(R)-(-)-4-Phenyl-2-oxazolidinone, 98%
H27056	(S)-(-)-3-(Benzyloxycarbonyl)oxazolidine-4-carboxylic acid, 98%
H66629	(S)-3-(N-Fmoc-L-leucinyl)-2,2-dimethyloxazolidine-4-carboxylic acid, 95%
A18236	(S)-(-)-4-Benzyl-2-oxazolidinone, 99%

Benzofurazans

Benzofurazans (also known as 2,1,3-benzoxadiazoles) contain five-membered unsaturated ring structures fused to a benzene ring with two nitrogen atoms at the 1-,3- positions and one oxygen atom at 2- position in the five-membered ring.

Many benzoxadiazole derivatives have generated considerable interest among scientists as they have interesting biological activities. Some of these derivatives are utilized as useful anthiypertensive agents, analgesics and also are found to have antitubercular activity, antifungal activity, and anticancer activity. They are also important precursors for the synthesis of fluorescent oligomers and polymers that have small band gaps.

The N-oxide derivatives of benzofurazan, namely benzofuroxans, are used as synthetic precursors in the preparation of new biological compounds such as quinoxaline dioxide, benzimidazole, and phenazine derivatives. Benzofuroxans are employed in the synthesis of new biologically active compounds. These derivatives display antimycobacterial, anti-malarial, antileishmanial, and antituberculosis activity.

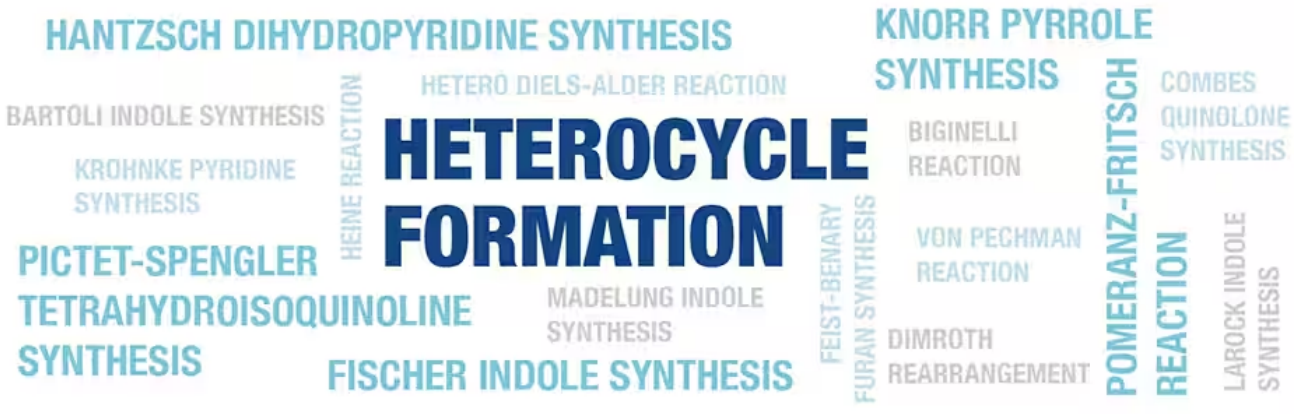


A14165	4-Chloro-7-nitrobenzofurazan, 98%
H51674	5-Bromobenzofurazan, 97%
B23586	7-Fluorobenzofurazan-4-sulfonamide, 98%
B21767	7-Fluorobenzofurazan-4-sulfonic acid ammonium salt, 98%
H54275	Benzofurazan-4-sulfonyl chloride, 97%
L11229	Benzofurazan, 97%
H62148	Nalpha-Boc-Nomega-(2,2,4,6,7-pentamethyl-2,3-dihydrobenzo[b]furan-5-sulfonyl)-L-arginine, 96%
H28304	Potassium benzofurazan-5-trifluoroborate, 95%

Bicyclo-compounds

Bicyclo compounds are a class of saturated compounds consisting of two fused rings, having two or more atoms in common, containing at least one hetero atom, and that take the name of an open chain hydrocarbon containing the same total number of atoms. Fusion of the rings can occur in three ways (a) across a bond between two atoms - for example, decalin (b) across a sequence of atoms (bridgehead) - for example, norbornane (c) or at a single atom spirocyclic, forming a spiro compound.

Bicyclic heterocycles are key intermediates in drug synthesis which can be classified as (i) nitrogen containing compounds such as quinazolines, indoles, benzimidazoles, and purines (ii) sulfur containing heterocycles namely thiazolo[5,4-d]pyrimidines, thiazolo[4,5-d]pyrimidines, and thieno[2,3-d]pyrimidines, and (iii) oxygen containing heterocycles such as oxazolo[5,4-d]pyrimidines. Some of the bicyclic core structure compounds are used as kinase inhibitors, which are in turn used for the treatment of non-small cell lung cancer. Bicyclic compounds are also used as a 1-antagonist based on a quinazoline scaffold, for antihypertensives, and for the treatment of benign prostate hypertrophy. Various derivatives of penicillins, cephalosporins, and carbapenems contain a bicyclic heterocycle, and are used as anti-infectives.



H55747	1,10-Phenanthroline-5,6-dione, 98%
H53377	1-(1-Adamantyl)ethylamine hydrochloride, 98%
A19684	1,3-Dimethyladamantane, 98%
A14003	1,4-Diazabicyclo[2.2.2]octane, 98%
H52305	(±)-1,4-Diazabicyclo[4.4.0]decane, 98+%
L14835	1,4-Dichloro-5,6,7,8-tetrahydro-5,8-ethanophthalazine, 97%
A13437	1,5-Diazabicyclo[4.3.0]non-5-ene, 98%
H50825	1-(8-Azabicyclo[3.2.1]oct-3-yl)-2-methylbenzimidazole, 99%
H50827	1-(8-Azabicyclo[3.2.1]oct-3-yl)benzimidazole, 98%
A12269	1,8-Cineole, 99%
L17569	1,8-Diazabicyclo[5.4.0]undec-7-ene hydrotribromide, 98%
A17224	1-Acetamidoadamantane, 98%
B25004	1-Acetyl-4-fluoronaphthalene, 97%
H30076	1-Adamantanamine, 98%

A12699	1-Adamantanamine hydrochloride, 99%
L12029	1-Adamantaneacetic acid, 98+%
L09318	1-Adamantaneethanol, 98%
15169	1-Chloroadamantane, 98%
L17003	1-Chloromethyl-4-fluoro-1,4-diazoniabicyclo[2.2.2]octane bis(tetrafluoroborate), 98+%
44358	(1R)-10-Camphorsulfonamide, 97%
B21553	(1R)-(-)-Camphor-10-sulfonic acid, 98%
L14145	(1R)-(-)-Camphor-10-sulfonyl chloride, 97%
A10708	(1R)-(+)-Camphor, 98%
44361	(1S)-10-Camphorsulfonamide, 97%
A17818	(1S)-(-)-beta-Pinene, 99%
A16179	(1S)-(+)-Camphor-10-sulfonic acid, 98+%(dry wt.), water <2%
A13293	(1S)-(+)-Camphor-10-sulfonyl chloride, 97%
B23469	(1S)-(-)-Camphor, 97%
H55922	2-(1-Adamantyl)-4-methylphenol, 99%
H61800	2-(1-Naphthyl)pyrrolidine, 95%
H54812	2-(3-Pyridyl)-1H-anthra[1,2-d]imidazole-6,11-dione, 97%
H54920	2-(4-Pyridyl)-1H-anthra[1,2-d]imidazole-6,11-dione, 97%

A17140	2-Adamantanamine hydrochloride, 98+%
H58220	2-Adamantanone oxime, 97%
H58317	2-Amino-4-(5,6,7,8-tetrahydro-2-naphthyl)thiazole, 97%
H63698	2-Boc-2-azabicyclo[2.2.1]hept-5-ene, 98%
B22760	2-Bromoadamantane, 98%
A16588	2-Methyl-2-adamantanol, 98%
A12125	2-Thionaphthol, 98%
H53104	3-(1-Adamantyl)-4-methoxybenzeneboronic acid, 96%
H66357	3,5-Dimethyl-1-adamantaneacetic acid, 97%
H27073	3,5-Dimethyladamantane-1-carboxylic acid, 97%
H64137	3-Amino-1-adamantanol, 98+%
H66120	3-Aminonoradamantane hydrochloride, 95%
H66011	(+)-3-Bromocamphor, 98%
B20543	3-Chloroadamantane-1-carboxylic acid, 97%
B20377	3-Hydroxyadamantane-1-carboxylic acid, 97%
H66721	3-Hydroxymethyl-1-adamantanol, 96%
A16683	3-Noradamantanecarboxylic acid, 98%
H64382	3-Oxabicyclo[3.1.0]hexane-2,4-dione, 97+%

B21503	3-Quinuclidinol, 98+%
H53499	4-(1,3,3-Trimethyl-7-oxabicyclo[4.1.0]hept-2-yl)-3-buten-2-one, tech.
B25745	4,16-Dibromo[2.2]paracyclophane, 98%
H56028	4,5-Diazafluoren-9-one, 98%
44504	4,7,13,16,21-Pentaoxa-1,10-diazabicyclo[8.8.5]tricosane, 97%
H56937	4-Bromo-1-indanone, 97%
H59356	4-Fluoro-1-indanone, 97%
H56184	4-Hydroxy-1-indanone, 97%
H59165	4-(Trifluoromethyl)-1-indanone, 97%
L08444	5-Norbornene-2-carboxylic acid, predominantly endo isomer, 97%
H53454	5-Norbornene-2-endo,3-endo-dimethanol, 98%
H53422	5-Norbornene-2-exo,3-exo-dimethanol, 97%
A14666	6-Acetyl-1,2,3,4-tetrahydronaphthalene, 97%
H34168	7-Methyl-1,2,3,4-tetrahydro-1,8-naphthyridine, 95%
H63825	8-Oxa-3-azabicyclo[3.2.1]octane hydrochloride, 97%
A10428	9-Bromofluorene, 97+%
L02352	Adamantane-1-carbonyl chloride, 97%
A12959	Adamantane-1-carboxylic acid, 99%

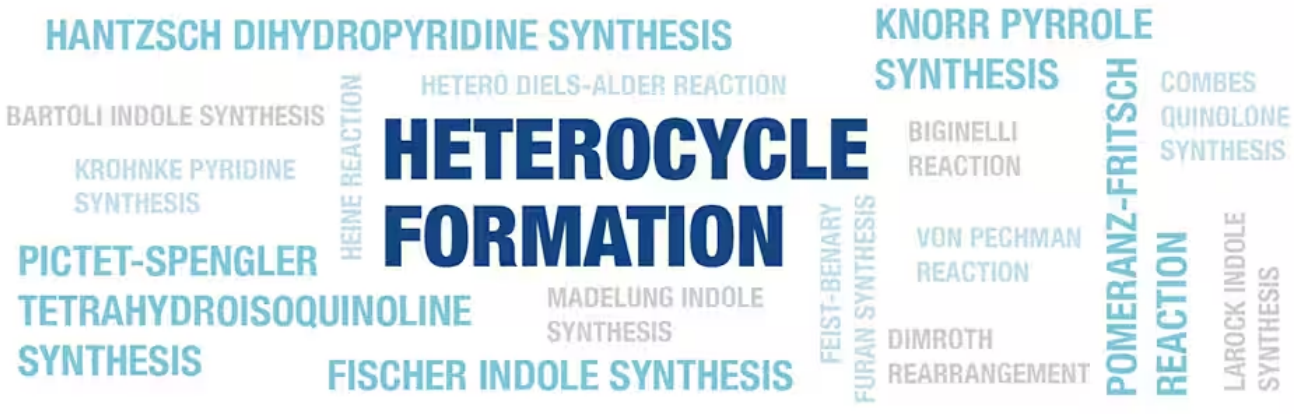
B22472	Bicyclo[3.2.0]hept-2-en-6-one, 97%
A12684	(-)-Borneol, 97+%
B23401	(±)-Camphoric anhydride, 98%
A18796	(-)-Cinchonidine, 99% (total base), may cont. up to 5% quinine
H53403	cis-5-Norbornene-endo-2,3-dicarboxylic acid, 98%
H53446	cis-5-Norbornene-exo-2,3-dicarboxylic anhydride, 95%
A13185	Cyclohexene oxide, 98+%
B20629	Cyclopentene oxide, 97%
A16791	D-3-Bromocamphor-10-sulfonic acid monohydrate, 99%
A19886	D-3-Bromocamphor-8-sulfonic acid ammonium salt, 98%
L02940	Dicyclopentadiene diepoxide, 98%
A13205	endo-N-Hydroxy-5-norbornene-2,3-dicarboximide, 97%
B24518	Ethyl adamantane-1-carboxylate, 98+%
B21627	Ethylhydrocupreine hydrochloride, 97%
L03620	exo-7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic anhydride, 98+%
B20632	(±)-Isoborneol, 95%
B22957	L-(-)-Bornyl acetate, 95%
H57535	Methyl 2-oxoindane-1-carboxylate, 97%

A13143	N-(9-Fluorenylmethoxycarbonyloxy)succinimide, 98%
L13849	N-(Ethoxycarbonyl)nortropinone, 99%
L08439	Norbornane-2-carboxylic acid, 98%, predominantly endo isomer
H56718	Phenazine methosulfate, 98+%
H33474	Quinine monohydrochloride dihydrate, 99% (total base), may contain up to 10% Dihydroquinine
H52554	(R)-1,4-Diazabicyclo[4.3.0]nonane, 97%
H52295	(S)-1,4-Diazabicyclo[4.3.0]nonane, 98+%
H52417	(S,S)-3-Benzyl-1,4-diazabicyclo[4.3.0]nonane, 97%
H52432	(S,S)-3-Isobutyl-1,4-diazabicyclo[4.3.0]nonane, 97%
L19833	Thianthrene-1-boronic acid, tech. 90%

Other Condensed Heterocycles

Condensed heterocycles are heterocyclic rings that are fused with other rings, either carbocyclic or heterocyclic. For example, thiazole when fused with pyridine affords thiazolopyridine isomers. Likewise, two or more different heterocyclic compounds having varying hetero atoms can combine together to form a condensed heterocyclic compound. The examples include pyrazolo-pyrimidines, thiazoloquinolines, and imidazopyridazines.

The condensed heterocycles have wide ranging applications. They are present as core in a variety of compounds, particularly in life saving drug molecules. For example they are useful as drugs for treating Parkinson's disease and restless legs syndrome, as atypical antipsychotics to treat schizophrenia, bipolar disorder, and irritability in people with autism, and as antiplatelet agents that inhibit blood clots in coronary artery disease, peripheral vascular disease, cerebrovascular disease, and to prevent myocardial infarctions. Furthermore, the anti-infective drugs like cephalosporins, penicillins, and carbapenems are additional examples of condensed heterocycles. Condensed heterocycles like EDOT (3,4-ethylene-dioxythiophene) are used for the preparation of conducting polymers for use in LCD and solar cells.



H34270	1-(2-Methoxyethyl)-4-oxo-1,4-dihydropyrido[1,2-a]pyrrolo[2,3-d]pyrimidine-2-carboxylic acid monohydrate, 96%
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%
H34277	1-n-Butyl-4-oxo-1,4-dihydropyrido[1,2-a]pyrrolo[2,3-d]pyrimidine-2-carboxylic acid, 96%
H64227	2,6-Dichloro-7-deazapurine, 98+%
H66806	2-Amino-4-chloro-7H-pyrrolo[2,3-d]pyrimidine, 97%
H34085	2-Mercapto-3-phenyl-5,6,7,8-tetrahydrobenzo[b]thieno[2,3-d]pyrimidin-4(3H)-one, 96%
H33976	2-Mercapto-7-methyl-3-phenyl-5,6,7,8-tetrahydrobenzo[b]thieno[2,3-d]pyrimidin-4(3H)-one, 96%
H33975	2-Methyl-3,4,5,6,7,8-hexahydrobenzo[4,5]thieno[2,3-d]pyrimidine-4-thione, 96%
B22725	2-Methylnaphtho[1,2-d]thiazole, 98%
H33501	2-Trifluoromethyl-5,6,7,8-tetrahydroimidazo[1,2-a]pyrazine hydrochloride, 97%
H33024	3,3'-Diethylthiatricarbocyanine perchlorate, 96%
H32647	3,5,6,7-Tetrahydro-4H-cyclopenta[b]thieno[2,3-d]pyrimidin-4-one, 96%

	H34109	3,5-Diphenyl-2-thioxo-2,3-dihydrothieno[2,3-d]pyrimidin-4(1H)-one, 96%
	H33153	3-Allyl-2-mercapto-3,4,5,6,7,8-hexahydrobenzo[4,5]thieno[2,3-b]pyrimidin-4-one, 96%
	H33943	3-Allyl-2-mercapto-3,5,6,7-tetrahydro-4H-cyclopenta[4,5]thieno[2,3-d]pyrimidin-4-one, 96%
	H34437	3-Allyl-5,6-dimethyl-2-thioxo-2,3-dihydrothieno[2,3-d]pyrimidin-4(1H)-one, 96%
	H33471	3-Allyl-7-methyl-2-mercapto-5,6,7,8-tetrahydro[1]benzothieno[2,3-d]pyrimidin-4(3H)-one, 96%
	H27164	(3R-cis)-Tetrahydro-3-trichloromethyl-1H,3H-pyrrolo[1,2-c]oxazol-1-one, 98%
	H64993	3-(Trifluoromethyl)-5,6,7,8-tetrahydro-1,2,4-triazolo[4,3-a]pyrazine hydrochloride, 98+%
	H34471	4-Chloro-2,7-dimethyl-5,6,7,8-tetrahydrobenzo[b]thieno[2,3-d]pyrimidine, 96%
	H33931	4-Chloro-2-ethyl-5,6,7,8-tetrahydrobenzo[b]thieno[2,3-d]pyrimidine, 96%
	H33082	4-Chloro-2-methyl-5,6,7,8-tetrahydrobenzo[b]thieno[2,3-d]pyrimidine, 96%
	H33610	4-Chloro-5-(2-thienyl)thieno[2,3-d]pyrimidine, 97%
	H33236	4-Chloro-5-(4-methoxyphenyl)thieno[2,3-d]pyrimidine, 96%
	H32353	4-Chloro-5,6,7,8-tetrahydro-1-benzothieno[2,3-d]pyrimidine, 96%
	H50537	4-Chloro-5-phenylthieno[2,3-d]pyrimidine, 98%
	H33184	4-Chloro-6,7,8,9-tetrahydro-5H-cyclohepta-4,5-thieno[2,3-d]pyrimidine, 96%
	H32208	4-Chloro-6,7-dihydro-5H-cyclopenta[4,5]thieno[2,3-d]pyrimidine, 96%
	H33439	4-Chloro-7-methyl-5,6,7,8-tetrahydrobenzo[b]thieno[2,3-d]pyrimidine, 96%
	H33559	4-Hydrazino-5,6,7,8-tetrahydrobenzo[b]thieno[2,3-d]pyrimidine hemihydrate, 95%
	H33305	4-Methyl-1,2,4-triazolo[4,3-a]quinoline-1-thiol, 96%

	H34165	4-Oxo-1-propyl-1,4-dihydropyrido[1,2-a]pyrrolo[2,3-d]pyrimidine-2-carboxylic acid, 96%
	H33621	5-(4-Chlorophenyl)thiazolo[2,3-c]-1,2,4-triazole-3-thiol, 96%
	H33012	5-(4-Methylphenyl)thiazolo[2,3-c]-1,2,4-triazole-3-thiol, 96%
	A19344	5,6,7,8,9,10-Hexahydrocyclohept[b]indole, 98%
	H34242	5,6-Dimethyl-3-phenyl-2-thioxo-2,3-dihydrothieno[2,3-d]pyrimidin-4(1H)-one, 96%
	H33464	5,6-Dimethylthieno[2,3-d]pyrimidine-4(3H)-thione, 96%
	A18758	6,7,8,9,10,11-Hexahydrocyclooct[b]indole, 97%
	H34307	6,7-Dihydro-5H-cyclopenta-4,5-thieno[2,3-d]pyrimidine-4-thiol, 96%
	H35321	6,7-Dihydrocyclopenta[4,5]pyrrolo[3,2-b]pyridin-8(5H)-one, 98%
	H59565	6-Amino-7-(5-indolinyl)-9-methyl-7-deazapurine, 95%
	H59897	6-Amino-7-bromo-9-methyl-7-deazapurine, 97%
	H64602	6-Amino-7-deazapurine hydrogen sulfate, 97%
	B25713	6-Chloro-7-deazapurine, 98%
	H51128	6-Chloro-7-iodo-7-deazapurine, 96%
	H34329	7-(2-Methoxyethyl)-1,3-dimethyl-2,4-dioxo-2,3,4,7-tetrahydro-1H-pyrrolo[2,3-d]pyrimidine-6-carboxylic acid, 96%
	H32418	7-(3-Methoxypropyl)-1,3-dimethyl-2,4-dioxo-2,3,4,7-tetrahydro-1H-pyrrolo[2,3-d]pyrimidine-6-carboxylic acid, 96%
	H33612	7-Benzyl-1,3-dimethyl-2,4-dioxo-2,3,4,7-tetrahydro-1H-pyrrolo[2,3-d]pyrimidine-6-carboxylic acid, 96%

H50592	7-Bromo-1,2,3,4-tetrahydrocyclopent[b]indole, 99%
H59833	7-Bromo-6-chloro-7-deazapurine, 97%
H54595	7-Deazaguanine, 97%
H64537	7-Deazahypoxanthine, 97%
A18438	7-Hydroxy-5-methyl[1,2,4]triazolo[1,5-a]pyrimidine, 98%
H34365	7-Methyl-4-oxo-4H-pyrido[1,2-a]thieno[2,3-d]pyrimidine-2-carboxylic acid, 96%
H33716	7-Methyl-5,6,7,8-tetrahydrobenzo[b]thieno[2,3-d]pyrimidin-4(3H)-one, 96%
H33112	7-Methyl-5,6,7,8-tetrahydrobenzo[b]thieno[2,3-d]pyrimidine-4-thiol, 96%
H63343	8-Chloro-1,2,4-triazolo[4,3-a]pyrazine, 97%
H52271	9-Benzyl-6-chloro-7-deazapurine, 95%
H52275	9-Benzyl-6-chloro-7-iodo-7-deazapurine, 95%
H51676	9-Boc-7-bromo-6-chloro-7-deazapurine, 97%
H59076	Ethyl 2-bromo-4H-thieno[3,2-b]pyrrole-5-carboxylate, 95%
H34400	Furo[3,2-b]pyridine-2-carboxylic acid, 97%
H33893	Methyl 1,3-dimethyl-2,4-dioxo-2,3,4,7-tetrahydro-1H-pyrrolo[2,3-d]pyrimidine-6-carboxylate, 96%
H33350	Methyl 1,3-dimethyl-2,4-dioxo-7-propyl-2,3,4,7-tetrahydro-1H-pyrrolo[2,3-d]pyrimidine-6-carboxylate, 96%
H33412	Methyl 2-amino-5,6-dihydro-4H-cyclopenta[b]thiophene-3-carboxylate, 96%
H33167	Methyl 4-oxo-4H-pyrido[1,2-a]thieno[2,3-d]pyrimidine-2-carboxylate, 96%

	H34252	Methyl 7-(2-methoxyethyl)-1,3-dimethyl-2,4-dioxo-2,3,4,7-tetrahydro-1H-pyrrolo[2,3-d]pyrimidine-6-carboxylate, 96%
	H34105	Methyl 7-(3-methoxypropyl)-1,3-dimethyl-2,4-dioxo-2,3,4,7-tetrahydro-1H-pyrrolo[2,3-d]pyrimidine-6-carboxylate, 96%
	H34420	Methyl 7-isobutyl-1,3-dimethyl-2,4-dioxo-2,3,4,7-tetrahydro-1H-pyrrolo[2,3-d]pyrimidine-6-carboxylate, 96%
	H33814	Methyl 7-methyl-4-oxo-4H-pyrido[1,2-a]thieno[2,3-d]pyrimidine-2-carboxylate, 96%
	H34199	Methyl 7-n-butyl-1,3-dimethyl-2,4-dioxo-2,3,4,7-tetrahydro-1H-pyrrolo[2,3-d]pyrimidine-6-carboxylate, 96%
	H33521	Methyl 9-methyl-4-oxo-4H-pyrido[1,2-a]thieno[2,3-d]pyrimidine-2-carboxylate, 96%
	L14372	Pyromellitic diimide, 97%

Phosphorus Heterocycles

Phosphorus, an excellent and versatile building block of aromatic systems, is an element with less electronegativity than that of carbon. This makes the efficient replacement of carbon by phosphorus possible. This versatility is attributable to the many different bonding modes available for the phosphorous element. The phosphorous heterocycles can be classified based on the ring size (specifically five- or six-membered) and by their saturated or unsaturated character.

The five-membered saturated phosphorus heterocycles, known as phospholanes, have found use in asymmetric synthesis as chiral ligands. They exhibit high activity and enantioselectivity in a vast array of catalytic transformations such as the hydrogenation of unsaturated substrates, reductive amidation, allylboration of ketones, hydroformylation of olefins and [4+1] cycloaddition. The five-membered unsaturated heterocycles known as phospholes are the phosphorus analogs of pyrrole, and serve as ligands for transition metals and as precursors to more complex organophosphorus compounds. The six-membered phosphorus containing unsaturated heterocyclic compound, known as phosphinine (also known as phosphorine), is an analog of pyridine, containing a phosphorus atom instead of a nitrogen atom. Their derivatives are used in transition metal-mediated reactions including palladium or nickel-catalyzed coupling reactions. The saturated six-membered heterocyclic compound is known as phosphinane, and used as a ligand in hydrogenation processes.

	H60423	2-[(11bR)-3H-Binaphtho[2,1-c:1',2'-e]phosphepin-4(5H)-yl]ethylamine, 97+%
	H63420	(2R,5R)-1-[2-(1,3-Dioxolan-2-yl)phenyl]-2,5-dimethylphospholane, 97%
	A18320	Ethylene chlorophosphate, 95%
	H60538	(R)-(-)-8-Diphenylphosphino-1,2,3,4-tetrahydro-1-naphthylamine, 97+%

Benzothiadiazoles

Benzothiadiazoles are any of several isomeric heterocycles that contain a benzene ring fused to thiadiazole (1,2,3-benzothiadiazole and 2,1,3-benzothiadiazole). This heterocyclic system has a strong electron-withdrawing capacity, and compounds bearing this ring are possible candidates for electron carriers. Benzothiadiazole compounds have well-ordered crystal structures as a result of their highly polarized properties, which lead to intermolecular interactions such as heteroatom contacts and pi-pi interactions.

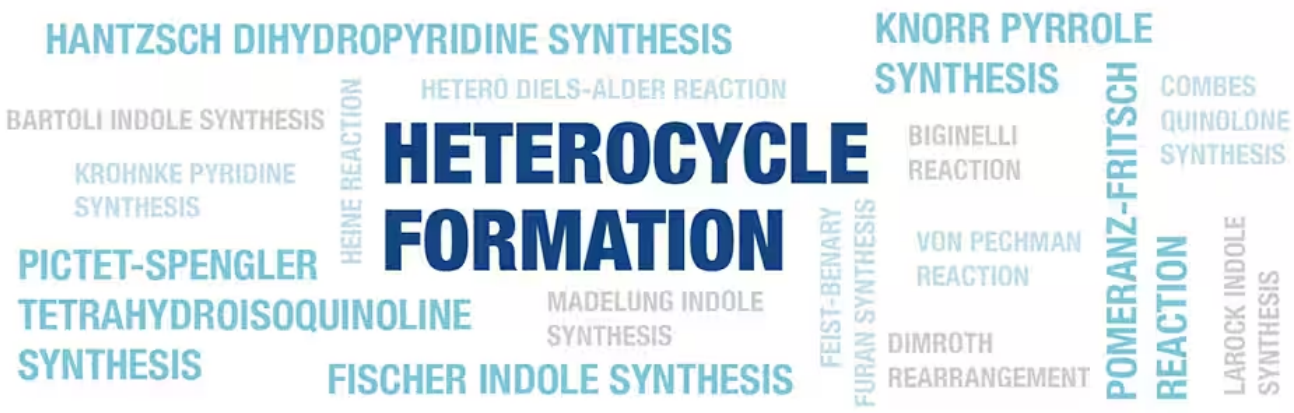
Benzothiadiazoles are one of the most important classes of conjugated systems because of their relatively high reduction potential and electron affinity, which are necessary for their utilization, for example, in light-emitting diode (LED) technology. Polymers containing benzothiadiazoles units have been widely and successfully used as luminescent compounds in light technology, such as OLEDs, solar cells, liquid crystals, dyes, photovoltaic cells, charge transport, electrooptical devices, and molecular wires. In addition to this, the benzothiadiazole moiety has a potential use in antibacterials, plant growth and protection, fluorescent materials, organic conductors, and molecular recognition. Benzothiadiazoles are known to induce systemic resistance to diseases in plants such as wheat.

H50377	2,1,3-Benzothiadiazole-4-sulfonyl chloride, 97%
H33095	2,1,3-Benzothiadiazole-5-carboxylic acid, 97%
43730	2,1,3-Benzothiadiazole, 98%
L09678	4-Aminobenzo-2,1,3-thiadiazole, 97%
B20755	5,6-Dimethyl-2,1,3-benzothiadiazole, 97%
A18286	5-Chlorobenzo-2,1,3-thiadiazole, 98%
A17111	Methyl 2,1,3-benzothiadiazole-5-carboxylate, 98%

Isoxazoles

Isoxazole is an azole with an oxygen atom adjacent to the nitrogen atom in the ring. The isoxazole ring is considerably less aromatic than other five membered heterocycles including oxazole and furan. Isoxazole is best represented as a resonance hybrid of several resonance structures. Both the heteroatoms influence the rate of electrophilic substitution in the isoxazole ring. Isoxazole is very labile towards the action of nucleophilic agents or strong bases, which results in the cleavage of the isoxazole ring yielding beta-keto nitriles as end products.

Isoxazoles and their derivatives have been widely exploited for the synthesis of other heterocycles and complex molecules. This is due to their versatility as synthetic building blocks, their latent functionalities as enaminones, 1,3-dicarbonyl compounds, gamma-amino alcohols, and beta-hydroxy nitriles. (Kumar, K. A., et al., □Isoxazoles: Molecules with Potential Medicinal Properties□, Int. J. Pharma. Chem. Bio. Sci. 2013, 3(2), 294-304). For a review on the synthesis of natural products via Isoxazoles, see: Baraldi, P. G. et al., Synthesis, 1987, (10), 857-869. Isoxazole derivatives form a part of many natural products and drugs including COX-2 inhibitors, and beta-lactam antibiotics. Furthermore, isoxazole fictionalization technologies enable the construction of tetracycline derivatives, which are antibiotics effective against a broad spectrum of microorganisms including Gram-positive bacteria.



H27490	2-(5-Isoxazolyl)phenol, 98%
H50534	2-Chloro-N-(4-cyano-3-methylisoxazol-5-yl)nicotinamide
L05695	3-(2,6-Dichlorophenyl)-5-methylisoxazole-4-carboxylic acid, 98+%
L10186	3-(2-Chloro-6-fluorophenyl)-5-methylisoxazole-4-carbonyl chloride, 97%
L10092	3-(2-Chloro-6-fluorophenyl)-5-methylisoxazole-4-carboxylic acid, 99%
L06240	3-(2-Chlorophenyl)-5-methylisoxazole-4-carboxylic acid, 97%
H32713	3-(4-Fluorophenyl)-5-methylisoxazole-4-carboxaldehyde, 97%
H32090	3-(4-Fluorophenyl)-5-methylisoxazole-4-carboxylic acid, 97%
H26893	3,5-Dimethylisoxazole-4-boronic acid, 97%
H66042	3,5-Dimethylisoxazole-4-boronic acid pinacol ester, 97%
H61912	3,5-Dimethylisoxazole-4-carboxaldehyde, 97%
A15419	3,5-Dimethylisoxazole-4-carboxylic acid, 99%
B20411	3,5-Dimethylisoxazole-4-sulfonyl chloride, 98%
A12217	3,5-Dimethylisoxazole, 99%

B20138	3-Amino-4-bromo-5-methylisoxazole, 97%
B20567	3-Amino-5-tert-butylisoxazole, 97%
H27574	3-Ethyl-5-methylisoxazole-4-carboxylic acid, 97%
44450	3-Hydroxy-5-methylisoxazole, 97%
L16307	3-Methylisoxazole-4-carboxylic acid, 98+%
H63740	3-Methylisoxazole-5-carboxylic acid, 97%
H31606	3-Phenylisoxazole-5-carboxylic acid, 97%
H33041	4-Acetyl-5-methyl-3-phenylisoxazole, 97%
H27557	4-Bromo-2-(5-isoxazolyl)phenol, 97%
A14179	4-Bromo-3,5-dimethylisoxazole, 97%
H27333	4-Chloro-2-(5-isoxazolyl)phenol, 97%
L00515	4-Chloromethyl-3,5-dimethylisoxazole, 97%
A19911	4-Iodo-3,5-dimethylisoxazole, 97%
H34171	5-(2-Bromophenyl)isoxazole, 95%
H34299	5-(2-Fluorophenyl)isoxazole, 96%
H34479	5-(2-Furyl)isoxazole, 95%
H33005	5-(2-Methoxyphenyl)isoxazole, 95%
H63824	5-(2-Thienyl)isoxazole-3-carboxylic acid, 95%
H33225	5-(2-Thienyl)isoxazole, 97%

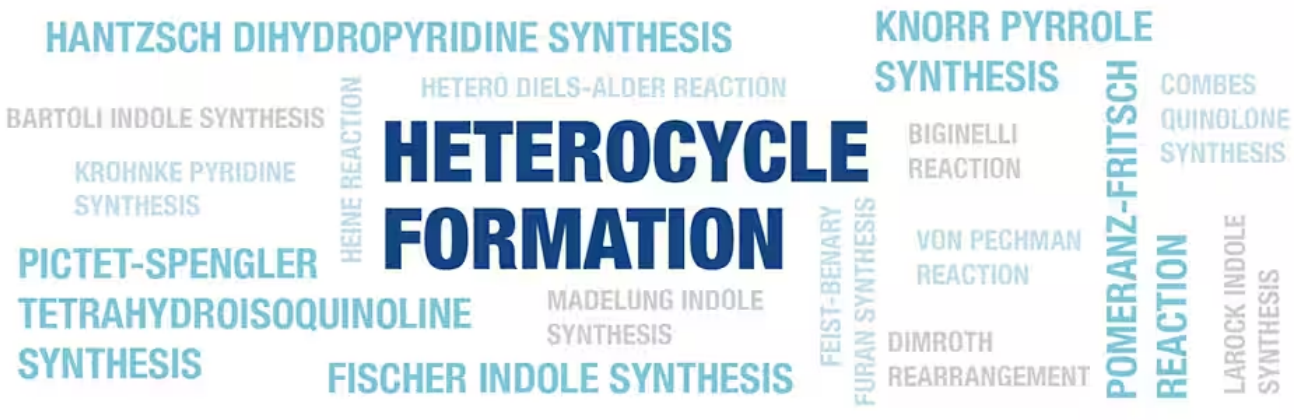
H31959	5-(3,5-Difluorophenyl)isoxazole, 98%
H50580	5-(3-Bromophenyl)isoxazole
H33965	5-(3-Methoxyphenyl)isoxazole, 95%
H50342	5-(4-Bromophenyl)isoxazole, 98%
H26188	5-(4-Fluorophenyl)isoxazole, 99%
L12191	5-Amino-3,4-dimethylisoxazole, 97%
L18668	5-Amino-3,4-dimethylisoxazole, 99%
A12446	5-Amino-3-methylisoxazole, 98%
H27801	5-Amino-3-phenylisoxazole, 97%
H61948	5-Methyl-3-isoxazolemethanol, 97%
H50702	5-Methyl-3-phenylisoxazole-4-carbonyl chloride, 99%
H32129	5-Methyl-3-phenylisoxazole-4-carboxaldehyde, 97%
L01142	5-Methyl-3-phenylisoxazole-4-carboxylic acid, 99%
H50693	5-Methylisoxazole-3-carbonyl chloride, 98%
L17577	5-Methylisoxazole-3-carboxylic acid, 98+%
L14628	5-Methylisoxazole-4-carboxylic acid, 98+%
H32793	Ethyl 3-(4-fluorophenyl)-5-methylisoxazole-4-carboxylate, 97%

B20642	Ethyl 3,5-dimethylisoxazole-4-carboxylate, 97%
L00526	Ethyl 3-ethyl-5-methylisoxazole-4-carboxylate, 98%
L16362	Ethyl 3-methylisoxazole-4-carboxylate, 97%
A13226	Ethyl 5-methylisoxazole-3-carboxylate, 95%
H58438	Isoxazole-3-carboxylic acid, 97%
H66887	Isoxazole-4-boronic acid pinacol ester, 97%
A14625	Isoxazole-5-carbonyl chloride, 97%
A13739	Isoxazole-5-carboxylic acid, 98%
L01607	Isoxazole, 99%
A19814	Methyl 5-methylisoxazole-3-carboxylate, 97%
B25169	Methyl isoxazole-5-carboxylate, 97%
H26274	N-Boc-3-bromo-2-isoxazoline-5-methylamine, 97%
B23794	N-Ethylbenzisoxazolium tetrafluoroborate, 98+%

Other Heterocycles

These are cyclic compounds containing one or more heteroatoms in the ring. The most commonly used heterocycles in organic reactions are pyridine, pyrimidine, and furans. These heterocycles may also contain selenium, tellurium, and phosphorous in the ring in addition to the usual oxygen, nitrogen, and sulfur atoms. Selenium containing heterocycles are less stable compared to sulfur containing heterocycles but they have considerable biological significance. Selenophene has a structure similar to thiophene. Carbon-selenium bonds are weaker than carbon-sulfur bonds. Tellurium heterocycles are very rare and even less stable then selinium heterocycles. Dibenzotellurophene was the first tellurium heterocycle to be prepared. Phosphorous heterocycles are used in pharmaceutical. Cyclophosphamide has anticancer properties. In addition to the above, various five-membered heterocycles of arsenic and bismuth are known. Due to their decreased stability they have less practical applications.

Some heterocyclic compounds are bridged and having interlocking rings. For example, methenamine is a heterocyclic compound containing four nitrogen atoms having a cage like structure similar to adamantane and is used in the treatment of urinary track infections. Heterocyclic compounds play a vital role in the metabolism of living cells. Proline, histidine and tryptophan are the most common heterocylcles used in medicines. Vitamin and co enzymes also contain some heterocycles like thiamine, riboflavin, pyridoxine, and pyridimindine derivatives. Sulfanilamidopyrimidines, sulfadiazines, sulfamethoxydiazines and sulfadiazines also have antibacterial properties.



L17271	10,11-Dihydrocarbamazepine, 99%
B21648	10-Methylphenothiazine, 98%
H51063	1,10-Diaza-18-crown-6, 96%
A18548	1,10-Phenanthroline-2,9-dicarboxylic acid hydrate, 97%
H55747	1,10-Phenanthroline-5,6-dione, 98%
A13163	1,10-Phenanthroline, 99%, may contain up to 1.5% water
A14140	1,10-Phenanthroline monohydrate, 99+%
30910	1,10-Phenanthroline monohydrate, ACS
A16254	1,10-Phenanthroline monohydrochloride monohydrate, 99%
H30087	1,1'-Thiocarbonyldi-2(1H)-pyridone, 95%
L18705	1,2,4-Triazolo[4,3-a]pyridin-3(2H)-one, 98+%
A11972	12-Crown-4, 98%
H66785	1,3,5-Triaza-7-phosphaadamantane, 97+%
L16680	1,3,5-Trimethyl-1,3,5-tris(3,3,3-trifluoropropyl)cyclotrisiloxane, 97%

A15639	1,3,5-Trioxane, 98%
B21697	1,3,5-Tris(2-hydroxyethyl)cyanuric acid, 97%
A12718	1,3-Dichloro-5,5-dimethylhydantoin, 98%
A11923	1,3-Propanesultone, 99%
H26671	1,4,7,10-Tetraazacyclotridecane
H26813	1,4,7,10-Tetrakis[2-(ethoxycarbonyl)ethyl]-1,4,7,10-tetraazacyclododecane
H26792	1,4,7,10-Tetrakis(aminocarbonylmethyl)-1,4,7,10-tetraazacyclododecane
H26736	1,4,7-Tris(tert-butoxycarbonylmethyl)-1,4,7,10-tetraazacyclododecane
A11516	1,4,8,11-Tetraazacyclotetradecane, 98+%
H26674	1,4,8,11-Tetraazatricyclo[9.3.1.1(4,8)]hexadecane
H26449	1,4,8,11-Tetrakis(aminocarbonylmethyl)-1,4,8,11-tetraazacyclotetradecane
H26367	1,4,8,11-Tetrakis(diethylaminocarbonylmethyl)-1,4,8,11-tetraazacyclotetradecane
H26755	1,4,8,11-Tetrakis(ethoxycarbonylmethyl)-1,4,8,11-tetraazacyclotetradecane
30854	1,4,8,11-Tetramethyl-1,4,8,11-tetraazacyclotetradecane
L03992	1,4-Butanesultone, 99%
L09490	1,4-Cyclohexanedione mono-2,2-dimethyltrimethylene ketal, 95%
A14003	1,4-Diazabicyclo[2.2.2]octane, 98%
H52305	(±)-1,4-Diazabicyclo[4.4.0]decane, 98+%

L14835	1,4-Dichloro-5,6,7,8-tetrahydro-5,8-ethanophthalazine, 97%
H33295	1,4-Dichlorophthalazine, 98%
H63887	1-(4-Nitrophenyl)azepane, 97%
A10210	1,4-Oxathiane 4,4-dioxide, 99%
A18052	1,4-Oxathiane, 98+%
B22406	1,4-Oxazepan-5-one, 97%
A18560	1,5,9-Triazacyclotridecane trihydrobromide, 98%
A12265	15-Crown-5, 98%
A13437	1,5-Diazabicyclo[4.3.0]non-5-ene, 98%
L03864	16-Hexadecanolide, 97%
H50121	1,6-Naphthyridin-2(1H)-one, 97%
H26293	1,7-Bis(tert-butoxycarbonylmethyl)-1,4,7,10-tetraazacyclododecane
B21664	1,7-Dioxaspiro[5.5]undecane, 98%
30909	1,7-Phenanthroline
A12269	1,8-Cineole, 99%
A11249	18-Crown-6, 99%
A12449	1,8-Diazabicyclo[5.4.0]undec-7-ene, 98+%
L17569	1,8-Diazabicyclo[5.4.0]undec-7-ene hydrotribromide, 98%

H26643	1,8-Dibenzyl-1,4,8,11-tetraazacyclotetradecane
A13519	1,8-Naphthalic anhydride, 97%
A18856	1,8-Naphthalimide, 98%
H51064	1-Aza-15-crown-5, 97%
H51065	1-Aza-18-crown-6, 95%
H26525	1-Benzyl-1,4,7,10-tetraazacyclododecane
H26610	1-Benzyl-1,4,8,11-tetraazacyclotetradecane
H50494	1-Benzyl-4-chlorophthalazine, 99%
H63763	1-Boc-2,6-diazaspiro[3.3]heptane hemioxalate, 97%
H34352	1-Boc-7-methyl-1,2,3,4-tetrahydro-1,8-naphthyridine, 95%
H33635	1-Chloro-4-(3,4-dimethylphenyl)phthalazine, 96%
H34466	1-Chloro-4-(4-fluorophenyl)phthalazine, 96%
H33979	1-Chloro-4-(4-methylphenyl)phthalazine, 96%
H33125	1-Chloro-4-phenylphthalazine, 96%
H27515	1-Chlorophthalazin-4-one, 98%
H27143	1-Chlorophthalazine, 97%
B22995	1-Hydrazinophthalazine hydrochloride, 98%
A14133	(1R,2S)-(+)-10,2-Camphorsultam, 99%

H59544	(1R,2S)-(-)-2,N-Epoxy-10,2-camphorsultam, 96%
A15897	(1S,2R)-(-)-10,2-Camphorsultam, 99%
L20170	(1S,2S)-2,5-Diazabicyclo[2.2.1]heptane dihydrobromide, 98%
L20131	(1S,4S)-(-)-2-Boc-2,5-diazabicyclo[2.2.1]heptane, 97%
H51097	(1S,4S)-(-)-2-Boc-2,5-diazabicyclo[2.2.1]heptane, 98%
L16098	(1S)-(-)-Camphanic acid, 99%
L14148	(1S)-(-)-Camphanic chloride, 95%
B20823	(1S)-(-)-Camphorsulfonylimine, 98+%
B22730	2,2,2-Trimethoxy-4,5-dimethyl-1,3,2-dioxaphospholene, 97%
B21620	2,2,4,4-Tetrafluoro-1,3-dithietane, 97%
H27843	2,3,4,5-Tetrahydro-1H-1,4-benzodiazepine, 95%
A10870	2,3,5-Triphenyl-2H-tetrazolium chloride, 98%
L15613	2,3-Dihydro-1H-benz[de]isoquinoline, 97%
B20438	2,4,4,6-Tetramethyl-1-oxa-3-aza-2-cyclohexene, 95%
L16645	2,4,6,8-Tetramethyl-2,4,6,8-tetravinylcyclotetrasiloxane, 97%
L16642	2,4,6,8-Tetramethylcyclotetrasiloxane, 99%
L00467	2,4,6-Trimethylpyrylium tetrafluoroborate, 98+%
L16274	2,4,6-Tris(allyloxy)-1,3,5-triazine, 98%, stab. with 100ppm hydroquinone

B20044	2,4,7-Triamino-6-phenylpteridine, 98%
L06732	2,4-Dihydroxypteridine, 97%
A11398	2,9-Dimethyl-1,10-phenanthroline hemihydrate, 98+%
H63698	2-Boc-2-azabicyclo[2.2.1]hept-5-ene, 98%
B21086	2-Chloro-4H-1,3,2-benzodioxaphosphorin-4-one, 97%
B21438	2-Chlorophenothiazine, 99%
A18131	2-Chlorothioxanthone, 99%
A11091	(2H)1,4-Benzothiazin-3(4H)-one, 99%
L01833	2-(Hexamethyleneimino)ethyl chloride hydrochloride, 98%
L08473	2H-Pyrido[3,2-b]-1,4-oxazin-3(4H)-one, 98%
44509	2-Hydroxymethyl-12-crown-4, 97%
44500	2-Hydroxymethyl-15-crown-5, 98%
44477	2-Hydroxymethyl-18-crown-6, 97%
B23372	2-Methyl-1,3-dithiolane, 99%

H34032	2-Methyl-1,8-naphthyridine, 97%
B22630	2-Methyl-4-n-propyl-1,3-oxathiane, cis + trans, 99%
H63578	2-Oxa-6-azaspiro[3.3]heptane oxalate, 97%
A13314	2-Sulfobenzoic anhydride, 94%
B20919	2-(Trifluoromethyl)phenothiazine, 98%
H64839	2-(Trifluoromethyl)thioxanthen-9-one, 98%
H55144	3,3'-Diethyl-9-methylthiacarbocyanine iodide, 98%
B24864	3,3-Tetramethyleneglutarimide, 98%
L01482	3,4,7,8-Tetramethyl-1,10-phenanthroline, 98+%
44098	3,4,9,10-Perylenetetracarboxylic diimide
H27862	3,4-Dihydro-2H-1,5-benzodioxepin-7-amine, 98%
H32167	3,4-Dihydro-2H-1,5-benzodioxepin-7-carboxaldehyde, 95%
H27175	3,4-Dihydro-2H-1,5-benzodioxepin-7-carboxylic acid, 98%
H27374	3,4-Dihydro-2H-1,5-benzodioxepin, 98%
H64416	3,6-Dihydrothiopyran-4-boronic acid pinacol ester, 98%
L12958	3,9-Bis(1,1-dimethyl-2-hydroxyethyl)-2,4,8,10-tetraoxaspiro[5.5]undecane, 97%
H57291	3-Aminooxetane-3-carboxylic acid, 95%
A14597	3-Aminophthalhydrazide, 98%

L15205	3-Aminophthalhydrazide monosodium salt, 98+%
H66462	3-Azabicyclo[3.3.0]octane hydrochloride, 98%
L17683	3-Bromo-1,8-naphthalic anhydride, 97%
L17791	3-Chloro-1,2-benzisothiazole, 97+%
B20574	3-Dimethylamino-1,2,4-dithiazole-5-thione, 97%
L20129	3H-1,2-Benzodithiol-one 1,1-dioxide, 98%
H63495	3-Hydroxyxanthone, 98%
H64382	3-Oxabicyclo[3.1.0]hexane-2,4-dione, 97+%
H27824	3-Oxo-3,4-dihydro-2H-1,4-benzothiazine-2-acetic acid, 97%
B21503	3-Quinuclidinol, 98+%
A13320	3-Quinuclidinone hydrochloride, 98+%
A13887	3-Sulfolene, 98%
H61227	3-(tert-Butyldimethylsiloxy)glutaric anhydride, 95%
H52286	4-(10-Phenothiazinylmethyl)benzeneboronic acid pinacol ester, 95%
H53499	4-(1,3,3-Trimethyl-7-oxabicyclo[4.1.0]hept-2-yl)-3-buten-2-one, tech.
A17066	4-(1,3-Dithiolan-2-yl)phenol, 97%
L14559	4',4''(5'')-Di-tert-butyldibenzo-18-crown-6, mixed isomers, 97%
H26333	4-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-4-methylmorpholinium chloride hydrate, 97+%

B25635	4,5,6,7-Tetrachlorofluorescein
H53062	4-(5,6-Dihydro-4H-1,3-oxazin-2-yl)benzeneboronic acid, 96%
H26241	4,5-Bis(diphenylphosphino)-9,9-dimethylxanthene, 97%
H27420	4,5-Bis(di-tert-butylphosphino)-9,9-dimethylxanthene, 99%
H56028	4,5-Diazafluoren-9-one, 98%
H27330	4,6-Bis(diphenylphosphino)phenoxazine, 98+%
L13513	4,6-Diphenylthieno[3,4-d]-1,3-dioxol-2-one 5,5-dioxide, 97%
44504	4,7,13,16,21-Pentaoxa-1,10-diazabicyclo[8.8.5]tricosane, 97%
31434	4,7-Dihydroxy-1,10-phenanthroline
A17779	4,7-Dimethyl-1,10-phenanthroline, 98%
A12045	4-Azaxanthone, 97%
H66355	4-Azepanone hydrochloride, 96%
L05508	4-Chloro-1,8-naphthalic anhydride, 94%
H51744	4-(Hexamethyleneiminomethyl)benzeneboronic acid pinacol ester, 95%

H26037	4-Hydroxycyclohexanone ethylene acetal, 90+%
31888	4-Methyl-1,10-phenanthroline
H29100	4-Methyl-1,2-cyclohexene oxide, cis + trans, 97%
H27196	4-Methyl-2H-1,4-benzoxazin-3(4H)-one, 98%
H35120	4-Methyl-5-(2-pyrazinyl)-1,2-dithiole-3-thione
A12147	4-Methylumbelliferyl acetate, 99%
B21190	4-Methylumbelliferyl-beta-D-glucuronide, 98%
A16225	4-Nitrobenzo-15-crown-5, 99%
A16138	4-Nitrobenzo-18-crown-6, 99%
L00255	4-Phenylurazole, 98+%
A12419	4-Piperidone ethylene ketal, 98+%
L03388	5,5-Dimethylhydantoin, 97%
A10714	5,5-Dimethyloxazolidine-2,4-dione, 99%
L01918	5,6-Dihydrouracil, 97%
B23717	5,6-Dimethyl-1,10-phenanthroline, 98%
B21065	5,6-Methylenedioxy-2-phenylindole, 97%
H50582	5'-Bromospiro[1,3-dioxolane-2,3'-indol]-2'(1'H)-one, 99%
31180	5-Chloro-1,10-phenanthroline

A14261	5-Chlorobenzofuroxan, 97%
A11084	5-Chlorouracil, 98%
B22411	5-Methoxy-2-methylbenzoselenazole, 97%
A10615	5-Methyl-1H-benzotriazole, 98+%
A15124	5-Methylbenzofuroxan, 97%
A18550	5-Nitro-1,10-phenanthroline-2,9-dicarboxylic acid hydrate, 98%
A11428	5-Nitro-1,10-phenanthroline, 98%
B25187	6(5H)-Phenanthridinone, 96%
H66212	6,6-Dimethyl-3-azabicyclo[3.1.0]hexane-2,4-dione, 98%
H66892	6,6-Dimethyl-3-oxabicyclo[3.1.0]hexane-2,4-dione, 98%
L15571	6,6-Dimethyl-5,7-dioxaspiro[2.5]octane-4,8-dione, 99%
H27407	6-Acetyl-2H-1,4-benzoxazin-3(4H)-one, 98%
A13056	6-Aminopenicillanic acid, 98%
A14167	6-Aza-2-thiothymine, 98%
L06762	6-Azathymine, 98%
H50042	6-Bromo-1,8-naphthyridin-2(1H)-one, 98%
H50043	6-Bromo-2-chloro-1,8-naphthyridine, 96%
H27493	6-Bromo-2H-1,4-benzoxazin-3(4H)-one, 95%

H50585	6-Bromo-2-methyl-4H-3,1-benzoxazin-4-one
H65609	6-Bromophthalazin-1(4H)-one, 98%
A12755	6-Chloro-1,3-dimethyluracil, 97%
H50222	6-Chloro-3-oxo-2,3-dihydro-4H-1,4-benzoxazine-4-acetic acid, 96%
H27863	6-Chloro-3-oxo-2,3-dihydro-4H-1,4-benzoxazine-4-propionic acid, 97%
H27423	6-Chloro-3-oxo-2,3-dihydro-4H-1,4-benzoxazine-4-propionitrile, 98%
L05349	6-Methoxy-2(3H)-benzoxazolone, 98+%
H27040	7-Acetyl-3,4-dihydro-1,5-benzodioxepin, 96%
A10530	7-Aminocephalosporanic acid, 95%
L03417	7-Aminodesacetoxycephalosporanic acid, 98%
H27563	7-Bromo-2H-1,4-benzothiazin-3(4H)-one, 97%
H27594	7-Bromo-3,4-dihydro-1,5-benzodioxepin, 96%
H27314	7-Bromoacetyl-3,4-dihydro-1,5-benzodioxepin, 97%
B22612	7-Oxabicyclo[2.2.1]heptane, 98%

H50045	8-Bromo-1,6-naphthyridin-2(1H)-one, 98%
A17692	8-Hydroxyjulolidine, 97%
H34100	8-Methoxyjulolidine, 95%
A17108	8-Methoxypsoralen, 98%
H63825	8-Oxa-3-azabicyclo[3.2.1]octane hydrochloride, 97%
H27340	9,9-Dimethylxanthene, 98+%
B21730	9,9'-Dixanthylidene, 98%
H31782	9-Formyl-8-hydroxyjulolidine, 97%
A11495	9-Phenyl-2,3,7-trihydroxy-6-fluorone
L12265	Acetaldehyde ammonia trimer, 98%
A14906	Adenine, 99%
A17622	Adenine hydrochloride, 98+%, cont. up to ca 5% water
A10236	Atropine sulfate monohydrate, 97+%
B22841	Bathocuproin, 98%
B22550	Bathocuproin sulfonate disodium salt hydrate, 97%
A14258	Bathophenanthroline, 98+%
B23244	Bathophenanthrolinedisulfonic acid disodium salt hydrate, 98%
H50481	Benz[b]indeno[1,2-e]pyran-6-carboxaldehyde, 98%

A16011	Benzo-15-crown-5, 98%
A16223	Benzo-18-crown-6, 97%
B22547	Benzo[c]cinnoline N-oxide, 95%
L10144	Benzofuroxan, 98%
B20157	Benzoguanamine, 99%
L03807	Berberine chloride hydrate, 96%, water <17%
A19632	Bicyclo[2.2.2]oct-7-ene-2,3,5,6-tetracarboxylic dianhydride, 97%
H60873	(+)-Biotin 4-nitrophenyl ester, 98%
44771	(+)-Biotin N-succinimidyl ester, 98%
L18013	Bis(tetramethylene)fluoroformamidinium hexafluorophosphate
36249	Brucine sulfate heptahydrate, ACS
A19943	Brucine sulfate hydrate, 98% (dry wt.), water <13%
43723	B-Tribromoborazine, 96%
A10431	Caffeine, 99%
B23401	(±)-Camphoric anhydride, 98%
A16053	cis-1,2-Cyclohexanedicarboxylic anhydride, 98%
B24951	cis-5-Norbornene-endo-2,3-dicarboxylic anhydride, 97%
H26815	cis-Decahydro-2a,4a,6a,8a-tetraazacyclopent[fg]acenaphthylene

A15447	Cyanuric acid, 99%
L03442	Cyanuric chloride, 98%
A15666	Cyanuric fluoride, 98%
A13185	Cyclohexene oxide, 98+%
B20629	Cyclopentene oxide, 97%
L11508	Cyclophosphamide monohydrate, 97+%
L15779	Dess-Martin periodinane
A13133	Dibenzo-18-crown-6, 98+%
B23402	Dibenzo[b,e]thiepin-11(6H)-one, 98%
B23504	Dichloroisocyanuric acid sodium salt, 97% (dry wt.)
A15344	Dicyclohexano-18-crown-6, mixture of isomers, 97%
B24818	Dimidium bromide, 95%
B21013	(+)-DIOP, 98%
L04711	DL-Thioctic acid, 98%

A15722	Ellagic acid hydrate, 97%, may cont. up to 12% water
A13205	endo-N-Hydroxy-5-norbornene-2,3-dicarboximide, 97%
L06999	epsilon-Caprolactam, 99%
A10299	epsilon-Caprolactone, 99%
A11624	Esculin sesquihydrate, 97%
A18320	Ethylene chlorophosphate, 95%
A12724	Ethylene chlorophosphite, 97%
A17095	Ethyl xanthene-9-carboxylate, 98%
L03620	exo-7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic anhydride, 98+%
L02947	exo-7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic anhydride, 98%
A11659	Fluorescein disodium salt hydrate
A14300	Folic acid dihydrate, 97%
H60181	Folinic acid calcium salt hydrate, 98%
B25063	Formaldoxime trimer hydrochloride, 95%
B20834	Furazolidone, 98%
B21172	Giemsa Stain
B23521	(+)-Griseofulvin, 97%

B23028	Hexamethylcyclotrisiloxane, 97%
B24007	Hexamethyleneimine, 98+%
B23061	Hexaphenylcyclotrisiloxane, 98+%
A15538	Homophthalic anhydride, 97+%
A12486	Hydantoin, 99%
B22093	Hydrochlorothiazide, 98%
B21323	Iminostilbene, 97%
B22976	Julolidine, 98%
H36298	Julolidine hydrobromide, 97%
A14530	Lawesson's Reagent, 97%
L18485	(-)-Lupinine, 97%
A11295	Melamine, 99%
43320	Mesoporphyrin IX dihydrochloride, 97%
A18261	meso-Tetraphenylporphine, low chlorine
A15292	Metaldehyde, 98%
L19132	Methyl 3-quinuclidinecarboxylate hydrochloride, 98+%
A10982	Methyl-5-norbornene-2,3-dicarboxylic anhydride, mixture of isomers, tech.
L06497	N-(2-Hydroxyethyl)hexamethyleneimine, 95%

A18257	N-Acetylcaprolactam, 99%
B25096	Nalidixic acid, 99%
H63609	Nalpha-Biotinyl-Nepsilon-Fmoc-L-lysine, 95%
L10163	Naringin hydrate, 98%
H53424	N-Benzylquininium chloride, 95%
H55214	N-Boc-hexahydro-1H-azepin-4-one, 98%
L13849	N-(Ethoxycarbonyl)nortropinone, 99%
B22485	N-Hydroxy-1,8-naphthalimide, 97%
B24079	Nitrofurantoin, 98%
A17809	Nitron, 95%
A17776	N-Methylcaprolactam, 96%
H54144	N,N,N',N'-Tetramethyl-O-(4-oxo-3,4-dihydro-1,2,3-benzotriazin-3-yl)uronium tetrafluoroborate, 98+%
H64485	Nortropinone hydrochloride, 97%
B21311	N-Vinyl-epsilon-caprolactam, 99%
B23938	o-Benzoic sulfimide, 98+%

A15530	o-Benzoic sulfimide sodium salt hydrate, 99%
L16563	Octamethylcyclotetrasilazane, 97%
A15240	Octamethylcyclotetrasiloxane, 98%
H54194	O-(endo-5-Norbornene-2,3-dicarboximido)-N,N,N',N'-tetramethyluronium tetrafluoroborate, 98+%
H60014	Oxcarbazepine, 98%
H57578	Oxetane-3-carboxylic acid, 95%
A15770	Phenazine, 99+%
H56718	Phenazine methosulfate, 98+%
A12517	Phenothiazine, 98+%
L01969	Phenoxazine, 98%
A18986	Phosphonitrilic chloride trimer, 98%
10525	Phosphorus(V) oxychloride, 99%

Phosphorus(V) oxychloride, 99%

45592	Phthalan, 96%
A12270	Phthalazine, 98%
A14615	Phthalhydrazide, 98%
L05984	Phthalide-3-acetic acid, 98+%
32073	Phthalocyanine
A13266	Pyridazine, 98+%

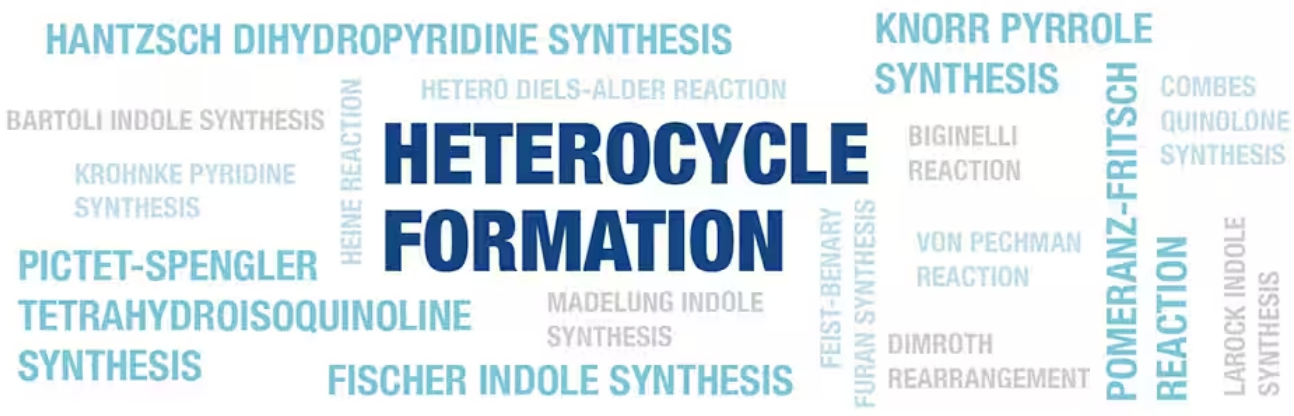
A12712	Pyromellitic dianhydride, 97%
A15807	Quercetin dihydrate, 97%
H55729	Quinaldine Red, dye content, 95%
A12559	(+)-Quinidine
A10459	Quinine, anhydrous, 99% (total base), may cont. up to 5% dihydroquinine
H54498	Quinuclidine, 97+%
L14582	(R)-2-Methyl-CBS-oxazaborolidine, 1M soln. in toluene
L09230	(R)-2-Methyl-CBS-oxazaborolidine monohydrate, 94%
L03506	Reserpine, 99%
H52295	(S)-1,4-Diazabicyclo[4.3.0]nonane, 98+%
L14583	(S)-2-Methyl-CBS-oxazaborolidine, 1M soln. in toluene
L09219	(S)-2-Methyl-CBS-oxazaborolidine monohydrate, 94%
H56017	(S)-4-(4-Aminobenzyl)-2-oxazolidinone, 97%
H27306	(S)-(+)-4-Phenyl-2-oxazolidinone, 98%
L20222	(S)-(-)-4-tert-Butyloxazolidine-2,5-dione, 98%
A13466	Sulfolane, 99%
H60837	Tenoxicam

A15872	Tetrahydro-4H-thiopyran-4-one, 99%
L03063	Tetrahydrothiopyran, 98%
30538	Tetrasodium meso-tetra(sulfonatophenyl)porphine dodecahydrate, 95%
L19229	Tetrathiafulvalene, 97%
A11861	Theobromine, 99%
A15997	Theophylline monohydrate, 99%
A19560	Thiamine hydrochloride, 99% (dry wt.), may cont. up to 5% water
A13390	Thiodiglycolic anhydride, 98%
A18912	Thionin acetate
B23906	Trichloroisocyanuric acid, 90+%
89153	Trimethoxyboroxine
H61464	Trimethylboroxine, 50% w/w soln. in THF
H60056	Tris(2,3-dibromopropyl) isocyanurate, 97%
A19080	Trithiocyanuric acid, 95%
L02332	Tropine, 98%

Thiadiazoles

Thiadiazole is a five-membered ring system containing two nitrogens and one sulfur atom. They occur in nature in four isomeric forms, namely 1,2,3-thiadiazole, 1,2,5-thiadiazole, 1,2,4-thiadiazole, and 1,3,4-thiadiazole. The 1,3,4-thiadiazole isomer of the thiadiazole series and its dihydro derivatives are utilized prominently in several synthetic transformations. The thiadiazole moiety acts as a □hydrogen binding domain□ and □two-electron donor system□. It also acts as a constrained pharmacophore. The 1,3,4-thiadiazoles are divided into three subclasses namely: (1) aromatic systems which include the neutral thiadiazole, (2) mesoionic systems which are defined as a five membered heterocyclic and are not covalent or polar, and possess a sextet of electrons in association with the five atoms comprising the ring, and (3) non aromatic systems such as the 1,3,4-thiadiazolines and the tetrahydro-1,3,4-thiadiazolidines.

Thiadiazole acts as the bio-isosteric moiety for thiazole moiety in third and fourth generation cephalosporins, and hence can be used in antibiotic preparations. Thiadiazoles are used in many potential drugs and are known to exhibit a broad spectrum of pharmacological properties. These pharmacological activities include antitumor, antiviral, antibacterial, antiinflammatory, antitubercular, antipyretic, anticancer, CNS depressant, antischistosomal, and hypoglycemic. Furthermore, thiadiazoles have found their way into diverse application as oxidation inhibitors, cyanine dyes, and metal complexing agents.



L20211	1,2,3-Thiadiazole-4-carboxaldehyde, 98%
B20842	1,2,3-Thiadiazole-4-carboxylic acid, 97%
A12615	2,5-Dimercapto-1,3,4-thiadiazole, 97% (dry wt.), water <3%
L11105	2,5-Dimercapto-1,3,4-thiadiazole dipotassium salt, 97%
A17227	2,5-Dimethyl-1,3,4-thiadiazole, 99+%
L01244	2-Amino-1,3,4-thiadiazole, 98+%
H31593	2-Amino-5-[2-(trifluoromethyl)phenyl]-1,3,4-thiadiazole, 97%
H27514	2-Amino-5-(4-pyridyl)-1,3,4-thiadiazole, 97%
L05778	2-Amino-5-cyclopropyl-1,3,4-thiadiazole, 98%
L06915	2-Amino-5-ethyl-1,3,4-thiadiazole, 97%
A11451	2-Amino-5-mercapto-1,3,4-thiadiazole, 98%
H32826	2-Amino-5-phenyl-1,3,4-thiadiazole, 97%
L06116	2-Amino-5-tert-butyl-1,3,4-thiadiazole, 97%
A17061	2-Amino-5-trifluoromethyl-1,3,4-thiadiazole, 98%

H33010	2-Chloro-N-(3-phenyl-1,2,4-thiadiazol-5-yl)acetamide, 96%
H33522	2-Chloro-N-(5-phenyl-1,2,4-thiadiazol-3-yl)acetamide, 96%
B22464	2-Ethylthio-1,3,4-thiadiazole-5-thiol, 97%
B22556	2-Mercapto-1,3,4-thiadiazole, 98%
B21355	2-Mercapto-5-methyl-1,3,4-thiadiazole, 99%
A11738	3,4-Dichloro-1,2,5-thiadiazole, 99%
H34052	3-Amino-5-(3,4-dimethoxyphenyl)-1,2,4-thiadiazole, 96%
H33674	3-Amino-5-(4-chlorophenyl)-1,2,4-thiadiazole, 96%
H34417	3-Amino-5-(4-fluorophenyl)-1,2,4-thiadiazole, 96%
H33279	3-Amino-5-(4-tert-butylphenyl)-1,2,4-thiadiazole, 96%
H33552	3-Amino-5-phenyl-1,2,4-thiadiazole, 96%
H32169	3-Chloro-4-(3-pyridyl)-1,2,5-thiadiazole, 95%
H51804	4-(2-Pyridyl)-1,2,3-thiadiazole, 96%
H51814	4-(3-Pyridyl)-1,2,3-thiadiazole, 96%
A15085	4-(4-Nitrophenyl)-1,2,3-thiadiazole, 97%
H51821	4-(4-Pyridyl)-1,2,3-thiadiazole, 96%
B25140	4,5-Diphenyl-1,2,3-thiadiazole, 97%
B20449	4-Methyl-1,2,3-thiadiazole-5-carboxylic acid, 98%
H26129	4-Methyl-1,2,3-thiadiazole-5-methanol, 99%

L20197	4-Phenyl-1,2,3-thiadiazole
H34342	5-(4-Chlorophenyl)-1,3,4-thiadiazole-2-thiol, 96%
H33467	5-Amino-3-(4-chlorophenyl)-1,2,4-thiadiazole, 96%
B21882	(5-Mercapto-1,3,4-thiadiazol-2-ylthio)acetic acid, 96%
44219	5-Mercapto-3-phenyl-1,3,4-thiadiazole-2(3H)thione potassium salt
H51827	5-Methyl-4-phenyl-1,2,3-thiadiazole, 97%
L08002	5-Methylthio-1,3,4-thiadiazole-2-thiol, 97%
H33061	5-Phenyl-1,3,4-thiadiazole-2-thiol, 96%
L07562	Acetazolamide, 99%
A19912	Ethyl 1,2,3-thiadiazole-4-carboxylate, 97%
A13399	Ethyl 4-methyl-1,2,3-thiadiazole-5-carboxylate, 98%
H25762	Ethyl 5-amino-1,2,3-thiadiazole-4-carboxylate, 98+%
H25764	Ethyl 5-bromo-1,2,3-thiadiazole-4-carboxylate, 98%
H25763	Ethyl 5-phenoxycarbonylamino-1,2,3-thiadiazole-4-carboxylate, 98+%

Benzothiazoles

Benzothiazole is an aromatic heterocyclic compound consisting of a five- membered 1,3-thiazole ring fused to a benzene ring. The nine atoms of the bicyclic structure and the attached substituents are coplanar. This heterocyclic scaffold is readily substituted at the unique methyne centre in the thiazole ring. It is a thermally stable electron-withdrawing moiety. Furthermore, it is a weak base having varied activities in biological, bioorganic, and medicinal chemistry with applications in drug discovery. Its aromaticity makes it relatively stable, although as a heterocycle, it has reactive sites, which allow for functionalization.

Benzothiazole and its derivatives encompass an attractive heterocyclic class displaying practical applications ranging from medicine to photography and agriculture. Benzothiazoles form a part of many compounds showing biological activities such as antimicrobial, anticancer, anthelmintic, and anti-diabetic activities. Furthermore, they have also found application in industry as anti-oxidants and vulcanisation accelerators. Various benzothiazoles, such as 2-aryl benzothiazole, have received much attention due to their unique structure and their uses as radioactive amyloid imagining agents. They also found numerous applications in dyes such as thioflavin. Some drugs containing this group are used in treating amyotrophic lateral sclerosis and in a dopamine agonist of the non-ergoline class.

H32253	1,1'-Diethyl-2,2'-carbocyanine bromide, 95%
H32481	1,1'-Diethyl-4,4'-carbocyanine bromide, 96%
H60492	1,2-Benzisothiazol-3-one, 97%
A19346	2-(2-Hydroxyphenyl)benzothiazole, 98%
B21846	2,5,6-Trimethylbenzothiazole, 98%
L10256	2,6-Dichlorobenzothiazole, 97%
H55506	2-Amino-4,6-difluorobenzothiazole, 97%
A18160	2-Amino-4-chlorobenzothiazole, 97%
L05440	2-Amino-4-chlorobenzothiazole hydrobromide, 97%
L11358	2-Amino-4-methoxybenzothiazole, 97%
A10822	2-Amino-4-methylbenzothiazole, 98%
H55270	2-Amino-5-bromobenzothiazole, 97%
H51022	2-Amino-5-fluorobenzothiazole, 98%
A18554	2-Amino-6-bromobenzothiazole, 98%

H27877	2-Amino-6-chlorobenzothiazole, 99%
A18383	2-Amino-6-fluorobenzothiazole, 99%
B23380	2-Amino-6-methoxybenzothiazole, 98%
B23422	2-Amino-6-methylbenzothiazole, 99%
H50359	2-Amino-6-(trifluoromethyl)benzothiazole, 97+%
A13521	2-Aminobenzothiazole, 98%
A11343	2-Benzothiazoleacetonitrile, 98%
H63286	2-Bromobenzothiazole, 99%
H26120	2-(Bromomethyl)benzothiazole, 98+%
H35525	2-Chloro-6-nitrobenzothiazole, 95%
A17762	2-Chlorobenzothiazole, 98%
H64781	2-(Chloromethyl)benzothiazole, 95%
L19316	2-Fluorobenzothiazole, 99%
A18006	2-Hydrazinobenzothiazole, 97%
A16648	2-Hydroxybenzothiazole, 98%
L14228	2-Mercapto-5-methoxybenzothiazole, 97%
A18211	2-Mercapto-6-nitrobenzothiazole, 96%
A14086	2-Mercaptobenzothiazole, 97%

L04924	2-Mercaptothiazoline, 98+%
B25354	2-Methyl-5-nitrobenzothiazole, 98%
H33812	2-Methylbenzothiazol-6-ol, 96%
A13427	2-Methylbenzothiazole, 98+%
L11625	2-(Trimethylsilyl)benzothiazole, tech. 90%
H33103	3-(2-Benzothiazolyl)aniline, 96%
H33094	3,3'-Diethyloxadicarbocyanine iodide, 96%
H34251	3,3'-Diethylthiacarbocyanine iodide, 96%
43851	3,3'-Diethylthiadicarbocyanine iodide
H32421	3,3'-Diethylthiadicarbocyanine perchlorate, 96%
H34025	3,3'-Diethylthiatricarbocyanine iodide, 96%
H34077	3,3'-Di-n-pentyloxadicarbocyanine iodide, 96%
H31886	3,3'-Di-n-pentylthiacarbocyanine iodide, 96%
H33978	3,3'-Di-n-pentylthiadicarbocyanine iodide, 96%
H32400	3,3'-Di-n-propylthiacarbocyanine iodide, 96%
H34209	3,3'-Di-n-propylthiadicarbocyanine iodide, 96%
A16317	3-Methyl-2-benzothiazolinone hydrazone hydrochloride hydrate, 97%
H56061	3-Methyl-2-benzothiazolinone hydrazone hydrochloride monohydrate, 98+%

L04837	3-Methylbenzothiazolium iodide, 98+%
H33052	4-(2-Benzothiazolyl)aniline, 98%
H56306	4,7-Dibromo-2,1,3-benzothiadiazole, 97%
B23631	5-Amino-2-methylbenzothiazole, 99%
H33309	5-Aminobenzothiazole, 96%
A16747	5-Chloro-2-mercaptobenzothiazole, 98%
H55743	5-Chloro-2-methylbenzothiazole, 98%
B22584	5-Methoxy-2-methylbenzothiazole, 97%
H33594	5-Nitrobenzothiazole, 96%
H27154	6-Acetyl-2(3H)-benzothiazolone, 97%
H33249	6-Amino-2-methylbenzothiazole, 96%
H50319	6-Amino-2-methylbenzothiazole, 99%
A12601	6-Aminobenzothiazole, 98+%
H52823	6-Bromobenzothiazole, 97%
L04447	6-Ethoxy-2-mercaptobenzothiazole, 99%
H51082	6-Methoxybenzothiazole-2-carbonitrile, 99%
H34335	(6-Nitro-2-benzothiazolyl)thiourea, 97+%
A10634	6-Nitrobenzothiazole, 98+%

Morpholines / Thiomorpholines

Morpholines [4-aza-1-oxacyclohexanes] are six-membered saturated organic heterocycles, containing nitrogen and oxygen at the 1- and 4- positions in the ring. Morpholine is a mild base; its conjugate acid is called morpholinium. The presence of ether oxygen renders morpholines less basic than the analogous piperidines.

Morpholine acts as a solvent for a number of organic compounds, such as resins, dyes, and waxes. Morpholine-based enamines are widely used in organic synthesis for C-C and C-X bond formations. Morpholine fatty acid salts are used as surface-active agents and emulsifiers. Morpholines are used in the preparation of several pharmaceuticals, including antibiotics, anticancer agents, and analgesics. Morpholine compounds are used as corrosion inhibitors, antioxidants, plasticizers, viscosity enhances, local anesthetics, and antiseptics. It has a peculiar property in that it remains highly volatile in aqueous solutions and hence is used as a corrosion inhibitor in boilers.

Thiomorpholines [4-thiapiperidine] are six-membered saturated organic heterocyclic compounds containing nitrogen and sulfur at the 1- and 4- positions of the ring. It can be considered as a thio analog of morpholine. Thiomorpholine derivatives are associated with a variety of pharmacological activities including antimycobacterial, antibacterial, apilepsy, antimalarial, and analgesic activities. Thiomorpholines and morpholines are reported to be tachynin receptor antogonists, useful in the treatment of inflammatory diseases.

H50688	1-[2-(4-Morpholinyl)ethyl]piperazine, 97%
H33726	1-[4-(4-Morpholinyl)phenyl]guanidine, 98%
L11859	1-(4-Morpholinyl)-2-propanol, 98%
H50315	1-(4-Morpholinyl)cyclohexanemethylamine, 98%
H33746	(1-Cyano-2-ethoxy-2-oxoethylidenaminooxy)dimethylamino-morpholinocarbenium hexafluorophosphate, 98%
H51933	2-([4-(4-Morpholinylcarbonyl)phenyl]dimethylsilyl)benzyl alcohol, 95%
H51010	2-(4-Chlorophenyl)-2-methylmorpholine, 99%
B25742	2,4-Dianilino-6-(4-morpholinyl)-1,3,5-triazine, 97%
H51007	2-(4-Fluorophenyl)-2-methylmorpholine,99%
H34452	2-(4-Morpholinyl)-5-nitropyridine, 95%
L12647	2-(4-Morpholinyl)-5-(trifluoromethyl)aniline, 95%
L05660	2-(4-Morpholinyl)aniline, 98%
H52995	2-(4-Morpholinylcarbonyl)benzeneboronic acid, 95%
L12046	2-(4-Morpholinyl)ethyl isothiocyanate, 97%

H52272	2-(4-Morpholinylmethyl)benzeneboronic acid pinacol ester, 95%
H55989	2-(4-Morpholinyl)pyridine, 96%
H50463	2-(4-Morpholinyl)thiazole-5-carboxaldehyde, 97%
L04024	2,5-Dimethyl-4-(4-morpholinylmethyl)phenol hydrochloride hydrate, 99%
H25954	2,6-Dimethylmorpholine, cis + trans, 97%
H50538	2-Amino-4-chloro-6-(4-morpholinyl)pyrimidine, 99%
B25741	2-Anilino-4,6-di(4-morpholinyl)-1,3,5-triazine, 97%
H61193	2-Bromo-6-(4-morpholinyl)benzonitrile, 98%
H55340	2-Chloro-4-(4-morpholinylcarbonyl)benzeneboronic acid, 97%
H51938	2-(Dimethyl[4-(4-morpholinylmethyl)phenyl]silyl)benzyl alcohol, 95%
H51756	2-(Dimethyl[4-(4-morpholinyl)phenyl]silyl)benzyl alcohol, 95%
H54213	2-Fluoro-5-(4-morpholinylcarbonyl)benzeneboronic acid, 97%
H64154	2-Hydroxymethylmorpholine hydrochloride, 95%
H50732	2-Methyl-2-(4-methylphenyl)morpholine, 97%
H50308	2-Methyl-2-(4-morpholinyl)propylamine, 97+%
H52689	3-[2-(4-Morpholinyl)ethylcarbamoyl]benzeneboronic acid hydrochloride, 98%
H60376	3-(4-Morpholinyl)-1-propanol, 95%
H52480	3-(4-Morpholinylcarbonyl)-5-nitrobenzeneboronic acid, 98%
H52868	3-(4-Morpholinylcarbonyl)benzeneboronic acid, 98%

H51113	3-(4-Morpholinylcarbonyl)benzeneboronic acid pinacol ester
H28416	3-(4-Morpholinylmethyl)benzeneboronic acid pinacol ester, 97%
H63366	3-(4-Morpholinylmethyl)indole, 95%
A15707	3-(4-Morpholinyl)phenol, 98%
B23686	3-(4-Morpholinyl)propiophenone hydrochloride, 98+%
H30191	3-(4-Morpholinyl)propyl-1-boronic acid pinacol ester, 98%
B23485	3-(4-Morpholinyl)propylamine, 98%
L12819	3-(4-Morpholinyl)propyl isothiocyanate, 96%
H53242	3-(4-Morpholinylsulfonyl)benzeneboronic acid, 96%
H59229	3-Chloro-4-(4-morpholinyl)benzeneboronic acid pinacol ester, 95%
H53315	3-Chloro-4-(4-morpholinylcarbonyl)benzeneboronic acid, 98%
H59970	3-Fluoro-4-(4-morpholinyl)benzeneboronic acid pinacol ester, 95%
H54607	3-Fluoro-4-(4-morpholinylcarbonyl)benzeneboronic acid, 97%
H62530	3-Fluoro-4-(4-morpholinylmethyl)benzeneboronic acid pinacol ester, 96%
H52454	3-Fluoro-5-(4-morpholinylcarbonyl)benzeneboronic acid, 98%
H62773	3-Fluoro-5-(4-morpholinylmethyl)benzeneboronic acid pinacol ester, 96%
B22004	4-(1-Cyclohexen-1-yl)morpholine, 97%

H52338	4-[2-(4-Morpholinyl)ethoxy]aniline, 96%
L11130	4-[2-(4-Morpholinyl)ethyl]-3-thiosemicarbazide, 98+%
H53353	4-[2-(4-Morpholinyl)ethylcarbamoyl]benzeneboronic acid, 98%
H52321	4-[2-(4-Nitrophenoxy)ethyl]morpholine, 96%
B21365	4-(2-Aminoethyl)morpholine, 98+%
H62229	4-(2-Bromo-6-fluorobenzyl)morpholine, 96%
L05771	4-(2-Chloroethyl)morpholine hydrochloride, 99%
H50522	4-(2-Chloronicotinoyl)morpholine, 97%
H61940	4-(2-Fluoro-4-nitrophenyl)morpholine, 98%
H63272	4-(2-Fluoro-6-nitrophenyl)morpholine, 97%
B22759	4-(2-Hydroxyethyl)morpholine, 99%
L10714	4-[3-(4-Morpholinyl)propyl]-3-thiosemicarbazide, 98+%
H35222	4-(3-Chloropropyl)morpholine, 95%
H51002	4-(3-Pyrrolidinyl)morpholine, 97%
H54171	4-(4,6-Dichloro-2-pyrimidinyl)morpholine, 97%
H26333	4-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-4-methylmorpholinium chloride hydrate, 97+%
H26911	4-(4-Benzyloxy-5-bromo-2-pyrimidinyl)morpholine, 95%
H62716	4-(4-Bromo-2-fluorobenzyl)morpholine, 96%

H59985	4-(4-Bromo-3-fluorobenzyl)morpholine, 96%
H33081	4-(4-Morpholinyl)-2-(trifluoromethyl)aniline, 97%
B20292	4-(4-Morpholinyl)aniline, 98+%
H51925	4-(4-Morpholinyl)benzeneboronic acid pinacol ester, 95%
H32258	4-(4-Morpholinyl)benzoic acid, 97%
H61963	4-(4-Morpholinyl)benzonitrile, 98%
H53150	4-(4-Morpholinylcarbonylamino)benzeneboronic acid pinacol ester, 98%
H53126	4-(4-Morpholinylcarbonyl)benzeneboronic acid, 98%
H28484	4-(4-Morpholinylcarbonyl)benzeneboronic acid pinacol ester, 97%
H28034	4-(4-Morpholinylmethyl)benzeneboronic acid pinacol ester, 97%
H26364	4-(4-Morpholinylmethyl)benzoic acid, 97%
H55779	4-(4-Morpholinyl)pyridine, 97%
H52601	4-(4-Morpholinylsulfonyl)benzeneboronic acid, 96%
B24933	4-(4-Nitrophenyl)morpholine, 98%
H63360	4-(4-Thiomorpholinyl)aniline, 97%
H53318	4-(4-Thiomorpholinylcarbonyl)benzeneboronic acid, 97%
H52907	4-(4-Thiomorpholinylsulfonyl)benzeneboronic acid, 98%
H62254	4-(5-Bromo-2-fluorobenzyl)morpholine, 96%

H50142	4-(5-Iodo-2-pyridyl)morpholine, 96%
H32140	4-(6-Chloro-4-pyrimidinyl)morpholine, 98%
H33589	4-(6-Hydrazino-4-pyrimidinyl)morpholine, 96%
L12947	4-Acryloylmorpholine, 98+%, stab. with 4-methoxyphenol
B21381	4-Aminomorpholine, 95%
H64918	4-Benzylmorpholine-2-carboxylic acid hydrochloride, 97%
H63458	4-Chloro-2-(4-morpholinyl)quinazoline, 97%
H53336	4-Chloro-3-(4-morpholinylcarbonyl)benzeneboronic acid, 98%
B21548	4-(Chloroacetyl)morpholine, 97+%
A11969	4-(Cyanoacetyl)morpholine, 98%
A11905	4-Ethylmorpholine, 98%
H52523	4-Fluoro-3-(4-morpholinylcarbonyl)benzeneboronic acid, 98%
B23315	4-Formylmorpholine, 99%
H53329	4-Methoxy-3-(4-morpholinylsulfonyl)benzeneboronic acid, 95%

A12158	4-Methylmorpholine, 99%
A19802	4-Methylmorpholine N-oxide, 50% w/w aq. soln.
A15996	4-Methylmorpholine N-oxide monohydrate, 98+%
L02235	4-Methylthiomorpholine 1,1-dioxide, 97%
H61188	4-Morpholineacetic acid hydrochloride, 95%
L11664	4-Morpholinepropionitrile, 98+%
L19751	4-Morpholinylsulfur trifluoride, 95%
H55229	4-(Trimethylsilyl)morpholine, 97%
B24950	5-(4-Morpholinyl)-2-nitrophenol, 97%
H28306	5-(4-Morpholinylmethyl)thiophene-2-boronic acid pinacol ester, 97%
H60688	5,6-Diphenyl-2-morpholinone, 98%
H50699	5-Amino-2-(4-morpholinyl)pyridine, 97%
H61376	5-Bromo-2-(4-morpholinyl)benzonitrile, 98%
H60821	(5R,6S)-(-)-4-Benzyloxycarbonyl-5,6-diphenyl-2-morpholinone, 98%
H60764	(5R,6S)-(-)-4-Boc-5,6-diphenyl-2-morpholinone, 98%
H60363	(5R,6S)-5,6-Diphenyl-2-morpholinone, 98%
H26971	6-(4-Morpholinylamino)pyridine-3-boronic acid pinacol ester, 95%
H50143	6-(4-Morpholinyl)pyridine-3-boronic acid pinacol ester

L12370	alpha-(4-Morpholinyl)phenylacetonitrile, 98+%
H51133	Bis(4-morpholinyl)methane, 98%
L15110	Borane-morpholine complex, 96%
L13007	cis-2,6-Dimethylmorpholine, 97%
L15178	Diethylenetriaminepentaacetic acid dianhydride, 95%
L01734	Ethyl 3-(4-morpholinyl)propionate, 97%
B21749	Homomorpholine hydrochloride, 98%
H56472	MES hydrate, 99+%
A16104	MES monohydrate, 98%
H51926	Methyl 4'-(4-morpholinylmethyl)biphenyl-4-carboxylate, 95%
B21842	Methyl 4-morpholineacetate, 99%
A12914	MOPS, 99%
44135	MOPSO, 98%
A17214	MOPS sodium salt, 98%
H64336	(±)-Morpholine-3-carboxylic acid hydrochloride, 96%
A19985	Morpholine-4-carboxamidine hydrobromide, 98%
H33215	Morpholine-4-carboxamidine hydroiodide, 97%
A10355	Morpholine, 99%

31984	Morpholine, ACS, 99.0% min
H33149	(Morpholinium-4-ylmethyl)trifluoroborate internal salt, 95%
B24120	N-Acetylmorpholine, 98%
H56480	N,N'-Dicyclohexylmorpholine-4-carboxamidine, 98+%
B21358	Perfluoro(4-methylmorpholine), 98%
H51142	Potassium 3-(4-morpholinylcarbonyl)phenyltrifluoroborate
H51141	Potassium 4-(4-morpholinylcarbonyl)phenyltrifluoroborate
H51890	Potassium 4-(4-morpholinylmethyl)phenyltrifluoroborate, 95%
H64003	(R)-2-Hydroxymethylmorpholine hydrochloride, 95%
H64654	(R)-4-Boc-morpholine-3-carboxylic acid, 97%
H60062	(R)-N-Boc-2-hydroxymethylmorpholine, 99%
H64574	(S)-4-Boc-(3-hydroxymethyl)morpholine, 97%
H60680	(S)-N-Boc-2-hydroxymethylmorpholine, 98%
A15958	Thiomorpholine, 98%

Oxadiazoles

Oxadiazoles are five-membered organic heteroaromatic rings containing two nitrogens, and one oxygen atom, and they exist in different regioisomeric forms. Oxadiazoles are often used in drug synthesis with the intention of being bioisosteric replacements for ester and amide functionalities. Oxadiazole is a very weak base owing to its heteroatoms. Electrophilic substitutions on the carbon atom in the oxadiazole ring are extremely difficult to synthesize because of the electron withdrawing effect of the pyridine-type nitrogen atom. However, the attack of electrophiles occurs at nitrogen, if there are electron-releasing groups on the ring. While they are generally resistant, halogen-substituted oxadiazoles undergo nucleophilic substitutions with replacement of the halogen atom.

Out of its four possible isomers, 1, 3, 4-oxadiazole is the most widely exploited for various applications. Derivatives of 1,3,4-oxadiazole exhibit a wide range of biological activities including anticancer, anti-inflammatory, analgesic, anticonvulsant, anti-HIV, antibacterial, and plant growth regulator activities. Oxadiazole rings have been introduced into drug discovery programs for several different purposes. They have been employed either as an essential part of the pharmacophore, or as a flat aromatic linker to place substituents in the appropriate orientation as well as for modulating molecular properties. For a review on Oxadiazoles in drug discovery, see Boström, J., □Oxadiazoles in Medicinal Chemistry□, J. Med. Chem., 2012, 55 (5), 1817□1830.

H50429	2-(1,3,4-Oxadiazol-2-yl)phenol, 98%
A18534	2-(2-Methoxyphenyl)-5-phenyl-1,3,4-oxadiazole, 98%
H50673	2-[4-(1,3,4-Oxadiazol-2-yl)phenoxy]acetamidoxime, 97%
L08554	2-(4-Bromophenyl)-5-(1-naphthyl)-1,3,4-oxadiazole, 99%
L08701	2-(4-Bromophenyl)-5-phenyl-1,3,4-oxadiazole, 97+%
L07215	2,5-Bis(1-naphthyl)-1,3,4-oxadiazole, 99%
L07874	2,5-Bis(4-biphenylyl)-1,3,4-oxadiazole, 99%
B20961	2,5-Bis(4-nitrophenyl)-1,3,4-oxadiazole, 97%
B20901	2,5-Bis(diethylamino)phenyl-1,3,4-oxadiazole, 98%
L02763	2,5-Diphenyl-1,3,4-oxadiazole, 97%
H32665	2-Amino-5-(3,5-difluorobenzyl)-1,3,4-oxadiazole, 97%
H32813	2-Amino-5-(4-fluorobenzyl)-1,3,4-oxadiazole, 97%
H54927	3-(2-Methylphenyl)-5-phenyl-1,2,4-oxadiazole, 97%
H51023	3-(3-Ethyl-1,2,4-oxadiazol-5-yl)benzoic acid, 97%

H50879	3-(3-Ethyl-1,2,4-oxadiazol-5-yl)piperidine, 97%
H50885	3-(3-Isopropyl-1,2,4-oxadiazol-5-yl)piperidine
H50883	3-(3-Methyl-1,2,4-oxadiazol-5-yl)piperidine, 98%
H54676	3-(3-Methyl-2-pyridyl)-5-phenyl-1,2,4-oxadiazole, 97%
H54748	3-(3-Methylphenyl)-5-phenyl-1,2,4-oxadiazole, 97%
H50884	3-(3-n-Propyl-1,2,4-oxadiazol-5-yl)piperidine, 95%
H54813	3-(4-Methylphenyl)-5-phenyl-1,2,4-oxadiazole, 97%
H50833	3-(5-Ethyl-1,2,4-oxadiazol-3-yl)benzoic acid, 95%
H50832	3-(5-Methyl-1,2,4-oxadiazol-3-yl)benzoic acid, 98%
H52505	3-(5-Methyl-1,3,4-oxadiazol-2-yl)benzeneboronic acid, 97%
H58409	3-Benzyl-5-chloromethyl-1,2,4-oxadiazole, 97%
H50243	3-Chloromethyl-5-(3-methoxyphenyl)-1,2,4-oxadiazole, 99%
H51664	3-Methyl-5-(3-pyrrolidinyl)-1,2,4-oxadiazole hydrochloride
H50886	4-(3-Ethyl-1,2,4-oxadiazol-5-yl)benzoic acid, 98%
H57257	4-(3-Ethyl-1,2,4-oxadiazol-5-yl)benzonitrile, 97%
H50874	4-(3-Ethyl-1,2,4-oxadiazol-5-yl)piperidine, 95%
H50873	4-(3-Isopropyl-1,2,4-oxadiazol-5-yl)piperidine, 97%
H51025	4-(3-Isopropyl-1,2,4-oxadiazol-5-yl)piperidine hydrochloride, 98%
H51706	4-(3-Methyl-1,2,4-oxadiazol-5-yl)piperidine hydrochloride, 98%

H50875	4-(3-n-Propyl-1,2,4-oxadiazol-5-yl)piperidine, 97%
H50744	4-(5-Ethyl-1,2,4-oxadiazol-3-yl)benzoic acid, 97%
H50882	4-(5-Methyl-1,2,4-oxadiazol-3-yl)benzoic acid, 97%
H52658	4-(5-Methyl-1,3,4-oxadiazol-2-yl)benzeneboronic acid, 98%
H33429	5-(4-Chlorophenyl)-1,3,4-oxadiazole-2-thiol, 96%
H32907	5-(4-Pyridyl)-1,3,4-oxadiazole-2-thiol, 97%
H33113	5-(4-tert-Butylphenyl)-1,3,4-oxadiazole-2-thiol, 96%
H50162	5-Methyl-1,3,4-oxadiazole-2-methylamine oxalate, 99%
H54399	5-Methyl-3-(4-methylphenyl)-1,2,4-oxadiazole, 97%
H54416	5-Methyl-3-(4-pyridyl)-1,2,4-oxadiazole, 97%
B20145	5-Methyl-3-phenyl-1,2,4-oxadiazole, 97%
H33776	5-(o-Tolyl)-1,3,4-oxadiazole-2-thiol, 96%
H51032	5-Phenyl-1,3,4-oxadiazole-2-methylamine hydrochloride, 96%
H34350	Methyl 4-(3-ethyl-1,2,4-oxadiazol-5-yl)benzoate, 97%

Thiazoles / Thiazolines

Thiazole (also known as 1,3-thiazole) is a five-membered heterocyclic compound that contains both sulfur and nitrogen. Thiazoles are structurally similar to imidazoles with the thiazole sulfur replaced by nitrogen. Thiazole rings are planar and aromatic, and are characterized by a larger pi-electron delocalization than the corresponding oxazoles and therefore have greater aromaticity. The calculated pi-electron density marks C-5 as the primary site for electrophilic substitution, and C-2 as the site for nucleophilic substitution. Thiazoles and their derivatives have been identified as a vital component of structurally diverse natural products that exhibit a wide variety of biological activities. Additionally, thiazoles are used in peptide research. Thiazole is the core for biologically active natural products as thiamine (vitamin B1), bacitracin, and the penicillins, and in numerous synthetic drugs, dyes, and industrial chemicals.

Thiazolines (also known as 4,5-dihydro-1,3-thiazole or 4,5-dihydrothiazole) are five-membered heterocyclic compounds containing a sulfur atom and a nitrogen atom. Thiazoline exists in three isomeric forms namely 2-thiazoline, 3-thiazoline and 4-thiazoline. Some of the drugs, which act upon the peroxisome proliferator-activated receptor (PPARy), are thiozoline derivatives. They are used for the treatment of symptoms of the metabolic syndrome, mainly for lowering triglycerides and blood sugar.

B24011	1-(2-Thiazolylazo)-2-naphthol, 98%
H52368	1-(2-Thiazolyl)piperazine hydrochloride, 97+%
H58635	1,3-Bis[4-(4-bromophenyl)-2-thiazolyl]benzene, 97%
H58670	1,3-Bis[4-(4-pyridyl)-2-thiazolyl]benzene, 97%
H52202	1,3-Bis(5-ethoxycarbonyl-4-methyl-2-thiazolyl)benzene, 97%
H52163	1,4-Bis(5-ethoxycarbonyl-4-methyl-2-thiazolyl)benzene, 97%
H51801	2-(2-Furyl)-4-methylthiazole-5-carboxylic acid, 97%
H50431	2-(2-Methyl-4-thiazolyl)phenol, 97%
H51828	2-(2-Methylphenyl)-4-phenylthiazole, 97%
H51851	2-(2-Pyridyl)thiazole-4-carboxylic acid, 97%
H50182	2-(2-Pyrrolidinyl)thiazole, 97%
H54347	2-(2-Thienyl)thiazole-4-carboxylic acid, 97%
H52164	2-(3,4-Dimethoxyphenyl)-4-methylthiazole-5-carboxylic acid, 97%
H51800	2-[3-(Bromomethyl)phenyl]-4,5-diphenylthiazole, 97%

H51834	2-[3-(Bromomethyl)phenyl]-4-phenylthiazole, 97%
H54566	2-(3-Methoxyphenyl)-4-methylthiazole-5-carboxylic acid, 97%
H52150	2-(3-Methyl-2-pyridyl)-4-(2-pyridyl)thiazole, 97%
H52230	2-(3-Methyl-2-pyridyl)-4-(3-pyridyl)thiazole, 97%
H52242	2-(3-Methyl-2-pyridyl)-4-(4-pyridyl)thiazole, 97%
H52158	2-(3-Methyl-2-pyridyl)-4-phenylthiazole, 97%
H52233	2-(3-Methylphenyl)-4-(4-pyridyl)thiazole, 97%
H51805	2-(3-Methylphenyl)-4,5-diphenylthiazole, 97%
H51717	2-(3-Methylphenyl)-4-phenylthiazole, 97%
H51838	2-(3-Pyridyl)thiazole-4-carboxylic acid, 97%
H62214	2-(3-Pyridyl)thiazolidine-4-carboxylic acid, 97%
H62079	2-(3-Pyridyl)thiazolidine, 97%
A19046	2,4,5-Trimethylthiazole, 98%
H52250	2-(4-Aminophenyl)-4-(4-pyridyl)thiazole, 97%
H51841	2-[4-(Bromomethyl)phenyl]-4,5-diphenylthiazole, 97%
H51836	2-[4-(Bromomethyl)phenyl]-4-phenylthiazole, 97%
H62341	2-(4-Chlorophenyl)thiazolidine-4-carboxylic acid, 97%
H65434	2,4-Diaminothiazole hydrochloride, 95%
H60230	2,4-Dibromothiazole, 97%

H50456	2,4-Dichlorothiazole-5-carboxaldehyde, 96%
H54578	2,4-Dimethylthiazole-5-sulfonyl chloride, 97%
A13604	2,4-Dimethylthiazole, 99%
H54374	2-(4-Ethylphenyl)thiazole-4-carboxylic acid, 97%
H52229	2-(4-Hydroxyphenyl)-4-(4-pyridyl)thiazole, 97%
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%
H50466	2-(4-Methyl-1-piperazinyl)thiazole-5-carboxaldehyde, 99%
B21867	2-(4-Methyl-5-thiazolyl)ethyl acetate, 98+%
H52138	2-(4-Methylphenyl)-4-(4-pyridyl)thiazole, 97%
H51847	2-(4-Methylphenyl)-4,5-diphenylthiazole, 97%
H51730	2-(4-Methylphenyl)-4-phenylthiazole, 97%
H54054	2-(4-Methylphenyl)thiazole-4-carboxylic acid, 97%
H50463	2-(4-Morpholinyl)thiazole-5-carboxaldehyde, 97%
B20457	2-(4-Pyridyl)thiazole-4-carboxylic acid, 97%
A13496	2,4-Thiazolidinedione, 99%

H29222	2,5-Bis(trimethylsilyl)thiazole, 96%
H26909	2,5-Dibromothiazole, 97%
H51783	2,5-Dimethyl-4-phenylthiazole, 97%
H58098	2-Acetamido-4-(2-hydroxyphenyl)thiazole, 97%
H58205	2-Acetamido-4-(4-bromophenyl)-5-methylthiazole, 97%
L17151	2-Acetamido-5-chlorothiazole, 97%
L01356	2-Acetamido-5-nitrothiazole, 98%
B23873	2-Acetamidothiazole, 98%
A11266	2-Acetylthiazole, 99%
L02018	2-Amino-2-thiazoline, 97%
B23882	2-Amino-4-(1-naphthyl)thiazole, 97%
H31948	2-Amino-4-(2,4-difluorophenyl)thiazole, 97%
H63689	2-Amino-4-[2-(Boc-amino)ethyl]thiazole, 97%
H58851	2-Amino-4-(2-furyl)thiazole, 97%
B23223	2-Amino-4-(2-naphthyl)thiazole, 98%
H58554	2-Amino-4-(2-pyridyl)thiazole, 97%
H58037	2-Amino-4-(2-thienyl)thiazole, 97%
H66550	2-Amino-4-(3,4-difluorophenyl)thiazole, 97%

H58630	2-Amino-4-(3-pyridyl)thiazole, 97%
H54413	2-Amino-4-(4-biphenylyl)thiazole, 97%
H58657	2-Amino-4-(4-bromophenyl)-5-methylthiazole, 97%
A17448	2-Amino-4-(4-bromophenyl)thiazole, 97%
L14067	2-Amino-4-(4-chlorophenyl)thiazole, 98%
H54861	2-Amino-4-(4-cyanophenyl)thiazole, 97%
H52238	2-Amino-4-(4-pyridyl)thiazole, 97%
H58317	2-Amino-4-(5,6,7,8-tetrahydro-2-naphthyl)thiazole, 97%
B20803	2-Amino-4,5-dimethylthiazole hydrobromide, 98%
H59878	2-Amino-4,5-dimethylthiazole hydrochloride, 97%
H51818	2-Amino-4,5-diphenylthiazole, 97%
L05844	2-Amino-4-imino-2-thiazoline hydrochloride, 99%
A14847	2-Amino-4-methylthiazole, 98+%
A18488	2-Amino-4-phenylthiazole, 98%
A19542	2-Amino-4-phenylthiazole hydrobromide monohydrate, 99%
L13863	2-Amino-4-(p-tolyl)thiazole, 98%
A14115	2-Amino-4-tert-butylthiazole, 98%
B23534	2-Amino-4-thiazoleacetic acid, 97%

H28840	2-Amino-4-thiazoleacetic acid hydrochloride, 98%
H31514	2-Amino-5-bromothiazole hydrobromide, 97%
L05707	2-Amino-5-chlorothiazole hydrochloride, 97%
H52159	2-Amino-5-ethyl-4-phenylthiazole, 97%
H51825	2-Amino-5-methyl-4-phenylthiazole, 97%
L11039	2-Amino-5-methylthiazole, 98+%
B21335	2-Amino-5-nitrothiazole, 97%
H31512	2-Aminobenzothiazole-6-carboxylic acid, 95%
H66557	2-Aminothiazole-4-carboxamide, 95%
H66459	2-Aminothiazole-4-carboxylic acid, 98%
H30019	2-Aminothiazole-5-carbonitrile, 98%
H27112	2-Aminothiazole-5-carboxaldehyde, 95%
A12026	2-Aminothiazole, 97%
H65068	2-Aminothiazole hydrochloride, 97%

H31631	2-Benzothiazolemethanol, 97%
H62209	2-Benzylthiazolidine-4-carboxylic acid, 97%
H58529	2-(Boc-amino)-4-phenylthiazole-5-carboxamidoxime, 97%
H58561	2-(Boc-amino)thiazole, 97%
H58575	2-Bromo-4-(2-thienyl)thiazole, 97%
H52245	2-Bromo-4-phenylthiazole, 97%
H52226	2-Bromo-5-methyl-4-phenylthiazole, 97%
H63951	2-Bromo-5-methylthiazole, 98%
A14701	2-Bromo-5-nitrothiazole, 98%
H51812	2-Bromomethyl-4,5-diphenylthiazole, 97%
H31096	2-Bromothiazole-5-carboxaldehyde, 95%
H27203	2-Bromothiazole-5-carboxylic acid, 97%
A14838	2-Bromothiazole, 99%
H32383	2-Chloro-6-fluorobenzothiazole, 98%
H32770	2-Chloro-6-methoxybenzothiazole, 97%
H33256	2-Chlorothiazole-5-carboxaldehyde, 97%
H50155	2-Chlorothiazole, 97%
H63425	2-Cyanothiazole, 95%

H50465	2-(Diethylamino)thiazole-5-carboxaldehyde, 99%
H26960	2-Ethyl-4,5-dimethyl-3-thiazoline, cis + trans, 99%
A15642	2-Ethyl-4-methylthiazole, 98%
H26379	2-Isobutyl-4,5-dimethyl-3-thiazoline, 97%
B22554	2-Isobutyl-4,5-dimethylthiazole, 99%
A13759	2-Isobutylthiazole, 99%
A13532	2-Isopropyl-4-methylthiazole, 98%
H65085	2-Mercapto-4,5-dimethylthiazole, 95%
L05829	2-Mercapto-4-phenylthiazole, 98%
L07058	2-Mercaptothiazole, 97%
B25655	2-Methoxythiazole, 98%
L01329	2-Methyl-2-thiazoline, 97%
H58878	2-Methyl-4-(2-pyridyl)thiazole, 97%
H58369	2-Methyl-4-(3-pyridyl)thiazole, 97%
H52155	2-Methyl-4-(4-pyridyl)thiazole, 97%
H51781	2-Methyl-4,5-diphenylthiazole, 97%
H51728	2-Methyl-4-phenylthiazole, 97%
H32937	2-Methylbenzothiazol-5-ol, 97%

B22537	2-Methylthiazolidine, 98%
B25137	2-(Methylthio)thiazole, 98%
A11574	2-n-Propylthiazole, 99%
H54805	2-Phenylthiazole-4-acetic acid, 97%
H54521	2-Phenylthiazole-4-carboxylic acid, 97%
H62737	2-Phenylthiazolidine-4-carboxylic acid, 97%
H62823	2-Phenylthiazolidine, 97%
B21711	2-Propionylthiazole, 99%
H26870	2-sec-Butyl-4,5-dimethyl-3-thiazoline, 98%
A13483	2-sec-Butylthiazole, 98+%
H32501	2-tert-Butyl-4-methylthiazole-5-carboxylic acid, 98%
H32329	2-tert-Butyl-4-methylthiazole-5-methanol, 97%
H33912	2-tert-Butyl-4-thiazoleacetic acid, 97%
H63447	2-Thioxo-3-[3-(trifluoromethyl)phenyl]-4-thiazolidinone, 95%

B21903	2-(Trimethylsilyl)thiazole, 97%
H50566	3-(4-Bromophenyl)-4-thiazolidinone
H63511	3-(4-Thiazolyl)-L-alanine, 95%
L08750	3-Benzyl-5-(2-hydroxyethyl)-4-methylthiazolium chloride, 98%
H59485	3-Ethyl-5-(2-hydroxyethyl)-4-methylthiazolium bromide, 98%
B23047	3-Ethylrhodanine, 98%
H52214	4-(1-Adamantyl)-2-aminothiazole, 97%
H54063	4-[2-(Boc-amino)-4-thiazolyl]benzamidoxime, 97%
H58115	4-(2-Furyl)-2-methylthiazole, 97%
H53136	4-(2-Thiazolinylcarbamoyl)benzeneboronic acid, 97%
B23195	4-(2-Thiazolylazo)resorcinol, 97%
H53317	4-(2-Thiazolylcarbamoyl)benzeneboronic acid, 97+%
H31827	4-(2-Thiazolyl)phenol, 97%
H52903	4-(3-Thiazolidinylcarbonyl)benzeneboronic acid, 97%
H27854	4-(4-Acetamidophenyl)-2-aminothiazole, 97%
H51858	4-(4-Acetoxyphenyl)-2-aminothiazole, 97%
H58417	4-(4-Biphenylyl)-2-(4-phenyl-2-pyridyl)thiazole, 97%
H54478	4-(4-Cyanophenyl)-2-methylthiazole, 97%

H58411	4-(4-Hydroxyphenyl)-2-methylthiazole, 97%
H65261	4-(4-Pyridyl)-2-thiazoleacetonitrile, 97%
A10785	4,5-Dimethylthiazole, 98%
A14902	4-Chloromethyl-2-methylthiazole hydrochloride, 98%
H52222	4-Methyl-2-(2-pyrazinyl)thiazole-5-carboxylic acid, 97%
H51711	4-Methyl-2-(2-pyridyl)thiazole-5-carboxylic acid, 97%
H51798	4-Methyl-2-(2-thienyl)thiazole-5-carboxylic acid, 97%
H51723	4-Methyl-2-(3-pyridyl)thiazole-5-carboxylic acid, 97%
H51803	4-Methyl-2-(3-thienyl)thiazole-5-carboxylic acid, 97%
H51753	4-Methyl-2-(4-pyridyl)thiazole-5-carboxylic acid, 97+%
H54487	4-Methyl-2-phenylthiazole-5-carboxylic acid, 97%
A19572	4-Methyl-2-phenylthiazole, 98%
A13567	4-Methyl-5-thiazoleethanol, 98%
B21719	4-Methyl-5-vinylthiazole, 98+%
H61613	4-Methylthiazole-5-carboxaldehyde, 97%
H32662	4-Methylthiazole-5-carboxylic acid, 97%
H33732	4-Methylthiazole-5-sulfonyl chloride, 95%
A15428	4-Methylthiazole, 99%

H54637	4-Phenyl-2-(2-pyrazinyl)thiazole-5-carboxylic acid, 97%
H51850	4-Phenyl-2-(2-pyridyl)thiazole-5-carboxylic acid, 97%
H51731	4-Phenyl-2-(2-pyridyl)thiazole, 97%
H51819	4-Phenyl-2-(3-pyridyl)thiazole-5-carboxylic acid, 97%
H51748	4-Phenyl-2-(3-pyridyl)thiazole, 97%
H51826	4-Phenyl-2-(4-pyridyl)thiazole-5-carboxylic acid, 97%
H51754	4-Phenyl-2-(4-pyridyl)thiazole, 97%
H65040	4-Phenyl-2-thiazoleacetonitrile, 97%
A14148	4-tert-Butyl-2-methylthiazole, 98%
H33060	4-tert-Butylthiazol-2(3H)-one, 96%
H58361	5-(2-Amino-4-thiazolyl)-2-hydroxybenzamide, 97%
B23145	5-(4-Diethylaminobenzylidene)rhodanine, 98%
A17152	5-(4-Dimethylaminobenzylidene)rhodanine 98%
A13741	5-Acetyl-2,4-dimethylthiazole, 99%

L09108	5-Acetyl-2-amino-4-methylthiazole, 97+%
H51772	5-Bromomethyl-4-phenyl-2-(2-pyridyl)thiazole, 97%
H55387	5-Bromothiazole, 97%
H51777	5-Methyl-4-phenyl-2-(2-pyridyl)thiazole, 97%
H51784	5-Methyl-4-phenyl-2-(3-pyridyl)thiazole, 97%
H51787	5-Methyl-4-phenyl-2-(4-pyridyl)thiazole, 97%
H63076	5-Methylthiazole-2-carboxylic acid, 97%
L15879	5-Methylthiazole, 97%
H31962	6-Bromo-2-chlorobenzothiazole, 97%
H32425	6-Methoxy-2-methylbenzothiazole, 97%
H32454	Benzothiazole-6-carbonitrile, 98%
H31868	Benzothiazole-6-carboxylic acid, 96%
H51842	Ethyl 2-(2-amino-5-pyridyl)-4-methylthiazole-5-carboxylate, 97%
H52255	Ethyl 2-(2-aminophenyl)-4-methylthiazole-5-carboxylate, 97%
H52264	Ethyl 2-(3-aminophenyl)-4-methylthiazole-5-carboxylate, 97%
H54868	Ethyl 2-(3-hydroxyphenyl)-4-methylthiazole-5-carboxylate, 97%
H52244	Ethyl 2-(3-methyl-2-pyridyl)-4-methylthiazole-5-carboxylate, 97%
H54753	Ethyl 2-(3-pyridyl)thiazole-4-acetate, 97%

H52219	Ethyl 2-(4-aminophenyl)-4-methylthiazole-5-carboxylate, 97%
B20864	Ethyl 2,4-dimethylthiazole-5-carboxylate, 97%
H52223	Ethyl 2-(4-hydroxyphenyl)-4-methylthiazole-5-carboxylate, 97%
H54192	Ethyl 2-(4-pyridyl)thiazole-4-acetate, 97%
A16896	Ethyl 2-amino-4-methylthiazole-5-carboxylate, 97%
L13864	Ethyl 2-amino-4-phenylthiazole-5-carboxylate, 98%
H54717	Ethyl 2-aminothiazole-4-acetate, 97%
H30634	Ethyl 2-aminothiazole-4-carboxylate, 98%
H31769	Ethyl 2-aminothiazole-5-carboxylate, 97%
H51833	Ethyl 2-bromo-4-methylthiazole-5-carboxylate, 97%
H31507	Ethyl 2-bromothiazole-4-carboxylate, 97%
H55109	Ethyl 2-bromothiazole-5-carboxylate, 98%
H58556	Ethyl 2-cyclopropylthiazole-4-carboxylate, 97%
A12050	Ethyl 2-methylthiazole-4-carboxylate, 98%
H51727	Ethyl 4-bromomethyl-2-(2-pyridyl)thiazole-5-carboxylate, 97%
H51811	Ethyl 4-bromomethyl-2-(3-pyridyl)thiazole-5-carboxylate, 95%
H51817	Ethyl 4-bromomethyl-2-(4-pyridyl)thiazole-5-carboxylate, 95%
H54842	Ethyl 4-methyl-2-(2-pyridyl)thiazole-5-carboxylate, 97%

H54942	Ethyl 4-methyl-2-(3-pyridyl)thiazole-5-carboxylate, 97%
H32904	Ethyl benzothiazole-2-carboxylate, 98%
A15033	L-Thiazolidine-4-carboxylic acid, 98%
H63541	Methyl 2-bromothiazole-4-carboxylate, 96%
H27410	Methyl 2-bromothiazole-5-carboxylate, 98%
H52744	Methyl 3-Boc-thiazolidine-2-carboxylate, 97%
H63496	Methyl thiazole-2-carboxylate, 95%
L10740	Methyl thiazolidine-2-carboxylate hydrochloride, 98%
L19488	N-Boc-(R)-(-)-thiazolidine-4-carboxylic acid, 98%
H52071	N-Fmoc-3-(4-thiazolyl)-L-alanine, 95%
H60507	Pioglitazone hydrochloride, 98%
B21461	Pseudothiohydantoin, 97%
H65448	(R)-3-Acetylthiazolidine-4-carboxylic acid, 97%
H63889	(R)-3-Boc-4-methyl-2,2-dioxo-1,2,3-oxathiazolidine, 97%

H52801	(R)-3-Boc-thiazolidine-2-carboxylic acid, 97%
B22244	Rhodanine-3-acetic acid, 98%
A18293	Rhodanine, 98+%
H52793	(S)-3-Boc-thiazolidine-2-carboxylic acid, 97%
A10727	Sulfathiazole, 98+%
H63329	Thiazole-2-carboxaldehyde, 95%
H63620	Thiazole-2-carboxylic acid, 95%
H64028	Thiazole-4-carboxaldehyde, 95%
H60138	Thiazole-5-carboxaldehyde, 95%
L09970	Thiazole, 98%
A11564	Thiazolidine-2-carboxylic acid, 97%
H26427	Thiazolidine, 97%

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