Nitrogen Heterocycles

Cyclic compounds which contain atoms from at least two different elements in the ring are called heterocyclic compounds or simply heterocycles. Most of the heterocycles contain carbon atoms. Nitrogen heterocycles contain at least one nitrogen atom in the ring. Nitrogen heterocycles can be aromatic, saturated or unsaturated. They are also grouped on the basis of ring size, as the ring size is related to their features, reactivity and stability. Examples of saturated nitrogen heterocycles, in order of increasing ring size, starting at the three-membered ring size are: aziridines, azetidines, pyrrolidines, piperidines, and azepanes.

Some of the aromatic nitrogen heterocycles are pyrroles, pyridines, imidazoles, pyrazoles, pyrazines, pyrimidines, pyridazines, 1,2,3-triazoles, 1,2,4-triazoles, 1,3,5-triazines, 1,2,4-triazines, and tetrazoles. Other than these single ring systems, nitrogen heterocycles are also fused with other ring systems, forming condensed ring nitrogen heterocycles, such as, indoles, isoindoles, indazoles, carbazoles, quinolines, isoquinolines, benzimidazoles, and acridines.

Acridines

Acridines [Dibenzo(b,e)pyridines; Benzo(b)quinolone; 10-Azaanthracene] are a group of condensed heteroaromatic organic compounds containing one nitrogen atom in the central ring. This compound is structurally related to anthracene in that the carbon atom in the central ring is replaced by a nitrogen atom. The tricyclic system is hydrophobic, planar, weakly basic and its properties are similar to quinoline and pyridine. The chemical acridine is a colourless solid, and also a photobase which has a ground state pKa of 5.1, which is similar to that of pyridine, and has an excited state pKa of 10.6.

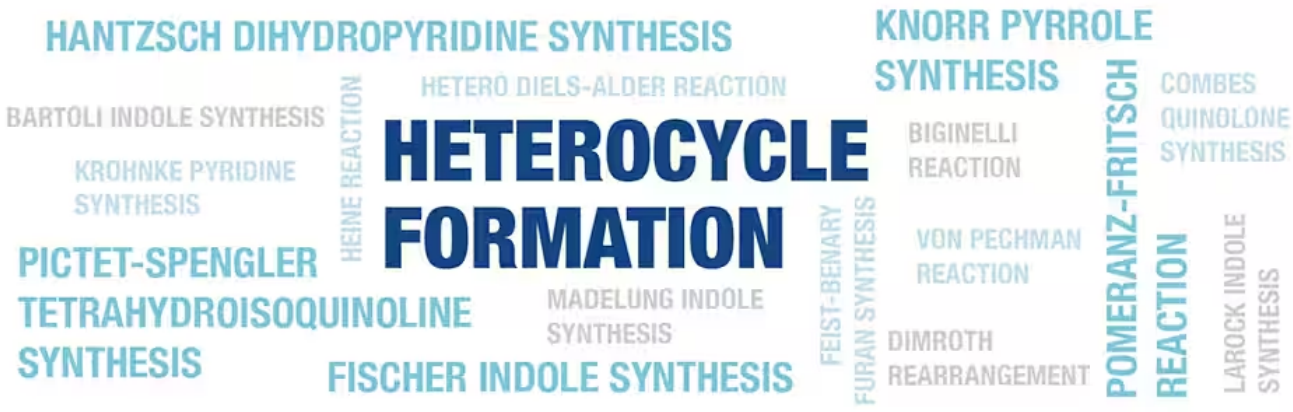
Acridines undergo addition reactions at the activated C-9 position. Acridines can be reduced to 9,10-dihydroacridines; reacted with cyanide anion to produce 9-cyano-9,10-dehydro derivative; and oxidized to an acridine amine oxide. The acridine skeleton is present in many dyes and drugs. Acridines are reported to have several biological properties including antiseptic, anticancer, antimalarial, and antipsychotic. DNA and RNA binding are associated with acridines owing to their intercalation & hydrophobic properties. Their fluorescence feature is useful in flow cytometry analysis and the study of cell cycles.

L05913	6,9-Dichloro-2-methoxyacridine, 98%
A15222	9(10H)-Acridone, 99%
B24356	9-Aminoacridine hydrochloride hydrate, 99%
L01358	9-Hydroxy-4-methoxyacridine, 97%
H33718	9-Methylacridine, 96%
L01657	Acridine, 97%
L10797	Acridine-9-carboxylic acid hydrate, 97%

Benzimidazoles

Benzimidazoles are bicyclic aromatic compounds, in which benzene is fused with an imidazole ring. Benzimidazole compounds play a vital role in the medicinal field having remarkable pharmacological activities such as antidiabetic, anticancer, antimicrobial and antiviral activity.

Historically, hydrazones were considered to have more chemotherapeutic value in the development of novel anti-microbial agents, but it was later found that a series of 1, 2-disubstituted-1Hbenzimidazole-N-alkylated-5-carboxamidine derivatives are much more potent antibacterial activities than hydrazones. Commercially, drugs, which have a benzimidazole backbone, have been deployed all over the global market for the treatment of dyspepsia, peptic ulcer disease, gastroesophageal reflux disease, laryngopharyngeal reflux, and the ZollingerûEllison syndrome.



H60482	1-(2,4,6-Triisopropylbenzenesulfonyl)imidazole, 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%
H60088	1-Benzylbenzimidazole, 97%
L17626	1-Isopropenyl-2-benzimidazolidinone, 98+%
B25601	1-Methylbenzimidazole-2-carboxaldehyde, 98+%
B25472	1-Methylbenzimidazole, 97%
H60150	1-Tritylbenzimidazole, 97%
L07034	2-(2-Aminophenyl)benzimidazole, 98%
L07631	2-(2-Chlorophenyl)benzimidazole, 98%
H58166	2-(2-Cyanophenyl)benzimidazole, 97%
H64294	2-(2-Methoxyphenyl)benzimidazole, 95%
L01339	2-(2-Pyridyl)benzimidazole, 98+%
H58332	2-(2-Thienyl)benzimidazole, 97%

H64245	2-(3-Chlorophenyl)benzimidazole, 95%
H61878	2-[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridylmethylthio]-1H-benzimidazole, 98%
H64264	2-(3-Methylphenyl)benzimidazole, 95%
H54593	2-(3-Pyridyl)benzimidazole-6-carboxylic acid, 97%
H51785	2-(3-Pyridyl)benzimidazole, 97%
H51845	2-(3-Thiocarbamoylphenyl)benzimidazole, 97%
L05716	2,4,5-Tribromoimidazole, 97%
H64880	2-(4-Bromophenyl)-1-phenylbenzimidazole, 97%
H64039	2-(4-Bromophenyl)-5-methylbenzimidazole, 95%
H64811	2-(4-Bromophenyl)benzimidazole, 95%
H54240	2-(4-Cyanophenyl)benzimidazole-6-carboxylic acid, 97%
H64981	2-[4-(Dimethylamino)phenyl]benzimidazole, 95%
H64531	2-(4-Fluorophenyl)benzimidazole, 95%
H58894	2-(4-Methylphenyl)benzimidazole, 97%
H51778	2-(4-Pyridyl)benzimidazole, 97%
H51792	2-(4-Thiocarbamoylphenyl)benzimidazole, 97%
H54597	2-Amino-5,6-dichlorobenzimidazole, 96%
L13711	2-Amino-5-n-propylsulfonylbenzimidazole, 98+%
L02066	2-Aminobenzimidazole, 97+%

L07440	2-(Aminomethyl)benzimidazole dihydrochloride hydrate, 98%
L00827	2-Benzimidazoleacetonitrile, 99%
A11221	(2-Benzimidazolylthio)acetic acid, 98%
A17198	2-(Benzimidazolylthio)acetic acid hydrazide, 97%
H60075	2-Bromo-1-methylbenzimidazole, 97%
H26183	2-Bromobenzimidazole, 99%
H63559	2-Chloro-1-methylbenzimidazole
L08440	2-Chloro-5-methoxybenzimidazole, 94%
A12193	2-Chlorobenzimidazole, 97%
B25548	2-(Chloromethyl)benzimidazole, 95%
A18324	2-Hydroxybenzimidazole, 98%
B20570	2-Mercapto-5-methoxybenzimidazole, 99%
A11192	2-Mercapto-5-methylbenzimidazole, 98%
B22358	2-Mercapto-5-nitrobenzimidazole, 97%
A18350	2-Mercaptobenzimidazole, 97%
A17290	2-Methylbenzimidazole, 98%
A10686	2-(Methylthio)benzimidazole, 98+%

B25307	2-Phenylbenzimidazole-5-sulfonic acid monohydrate, 98%
A10996	2-Phenylbenzimidazole, 97%
H51797	3-(2-Benzimidazolyl)benzamidoxime, 97%
H52216	3-(6-Amidoximo-2-benzimidazolyl)benzamidoxime, 97%
H52211	3-(6-Methyl-2-benzimidazolyl)benzamidoxime, 97%
H52157	3-(6-Methyl-2-benzimidazolyl)thiobenzamide, 97%
H52224	3-(6-Nitro-2-benzimidazolyl)benzamidoxime, 97%
H52153	3-(6-Nitro-2-benzimidazolyl)thiobenzamide, 97%
H52147	3-(6-Thiocarbamoyl-2-benzimidazolyl)thiobenzamide, 97%
A13211	4-(1-Imidazolyl)phenol, 97%
H51840	4-(2-Benzimidazolyl)benzamidoxime, 97%
H52261	4-(6-Amidoximo-2-benzimidazolyl)benzamidoxime, 97%
H52247	4-(6-Methyl-2-benzimidazolyl)benzamidoxime, 97%
H52260	4-(6-Methyl-2-benzimidazolyl)thiobenzamide, 97%
H52220	4-(6-Nitro-2-benzimidazolyl)benzamidoxime, 97%
H52146	4-(6-Nitro-2-benzimidazolyl)thiobenzamide, 97%
H52145	4-(6-Thiocarbamoyl-2-benzimidazolyl)thiobenzamide, 97%
H50828	4-Phenyl-1-(4-piperidinyl)-4-imidazolin-2-one, 96%

A14309	5,6-Dichloro-2-mercaptobenzimidazole, 98%
H25942	5,6-Dimethoxybenzimidazole, 98%
A15421	5,6-Dimethyl-2-benzimidazolinone, 98%
H66465	5-Amino-1-methylbenzimidazole, 97%
H26999	5-Amino-2-mercaptobenzimidazole, 96%
B22770	5-Amino-2-(trifluoromethyl)benzimidazole, 97+%
L06930	5-Azabenzimidazole, 98%
H51107	5-(beta-Styryl)-2H-1,2,3,4-tetrazole, 99%
B22521	5-Chloro-1-(4-piperidinyl)-2-benzimidazolidinone, 98%
H64992	5-Chloro-2-[4-(dimethylamino)phenyl]benzimidazole, 95%
A19852	5-Chloro-2-mercaptobenzimidazole, 98%
H60375	5-Difluoromethoxy-2-mercaptobenzimidazole, 97%
L17781	5-Ethoxy-2-mercaptobenzimidazole, 97%
B22580	5-Methoxy-2-benzimidazolinone, 98%
H64938	5-Methyl-2-(2-thienyl)benzimidazole, 95%
H64908	5-Methyl-2-(4-methylphenyl)benzimidazole, 95%
A15957	5-Methylbenzimidazole, 98%
L16391	5-Nitro-2-benzimidazolinone, 99%

A10524	5-Nitrobenzimidazole, 98+%
A15367	6-Chloro-5-fluoro-2-mercaptobenzimidazole, 98%
A10904	6-Chloro-5-fluorobenzimidazole, 95%
H58648	6-Chlorobenzimidazole-2-carboxylic acid, 97%
H58615	6-Cyano-2-(2-pyridyl)benzimidazole, 97%
H25926	6-Methylbenzimidazole-5-carboxylic acid hydrochloride, 97%
H25917	Albendazole sulfone
L14754	Benzimidazole-5,6-dicarboxylic acid, 97%
H66988	Benzimidazole-5-boronic acid pinacol ester, 95%
A15980	Benzimidazole-5-carboxylic acid, 98%
H66623	Benzimidazole-6-carbonitrile, 97%
A12763	Benzimidazole, 99%
H66669	Ethyl benzimidazole-4-carboxylate, 95%
A11731	Hydantoin-5-acetic acid, 98%

Condensed Pyrazoles

Condensed pyrazoles are pyrazoles fused with five- or six- membered rings. Pyrazole are five-membered nitrogen-containing organic heterocycles containing two nitrogen atoms adjacent to each other. The five or six-membered rings could be either saturated or unsaturated. Pyrazoles have been of interest to medicinal chemists due to their diverse types of biological properties, such as, antibacterial, antiviral, anti-inflamatory, antidepressant, anti-tumor, anticancer, analgesic and anti-herpetic properties. Due to the presence of the pyrazole structure as a backbone in these compounds, condensed pyrazole derivatives have been widely applied in the pharmaceutical and agromedical fields.

	H61817	1,3-Dimethyl-1H-thieno[2,3-c]pyrazole-5-carboxylic acid, 95%
	H58380	3-Cyanopyrazolo[1,5-a]pyrimidine, 97%
	H66767	4-Chloro-1H-pyrazolo[3,4-b]pyridine, 98%
	H50537	4-Chloro-5-phenylthieno[2,3-d]pyrimidine, 98%
	H66411	5-Bromo-1H-pyrazolo[3,4-b]pyridine, 95%
	H58241	Pyrazolo[1,5-a]pyrimidine-3-thiocarboxamide, 97%

Indazoles

Indazoles [1H-Benzopyrazole, 2-Azaindole] are heterocyclic aromatic organic compounds, in which pyrazole is fused with a benzene ring. Pyrazoles are heteroaromatic compounds with two nitrogens in adjacent positions. The presence of two nitrogen sites located in adjacent positions in the molecular structure allows indazole, at low concentrations in mildly acid or basic media, to form 1H and 2H tautomers via acid-base interactions as well as symmetrical dimers by hydrogen bonding.

Indazoles are reported to be generally rare in nature. There are a wide variety of indazole derivatives reported in the synthesis of active pharmaceutical drugs. The indazole derivatives, due to their potent pharmacological activity, have been under investigation in the pharmaceutical field for various therapeutic uses, such as, antibacterial, anticancer, antionidants, anti-inflammatory, antidiabetic, antiviral, atniproliferative, antituberculosis, antispermetogenic activity, and antipsychotic drugs. For example, 3-aminoindazole derivatives have attracted much interest due to their activity against a number of pharmacological targets including kinases, CNS and inflammatory pathways. Substituted 3-aminoindazoles are used as potent, ATP competitive, reversible inhibitors of AKt.

B25366	1-Benzyl-3-hydroxy-1H-indazole, 98%
H32010	1-Boc-6-amino-1H-indazole, 97%
H64001	1H-Indazole-3-carboxylic acid, 98%
H32507	1H-Indazole-4-boronic acid pinacol ester, 95%
H34115	1H-Indazole-4-carboxylic acid, 97%
H32535	1H-Indazole-5-carboxylic acid, 95%
H32463	1H-Indazole-7-carboxylic acid, 95%
A11665	1H-Indazole, 99%
L16155	1-Methyl-5-nitro-1H-indazole, 98+%
H31700	1-Methyl-6-nitro-1H-indazole, 95%
H26879	1-Methylindazole-3-carboxylic acid, 97%
B22360	2-Methyl-5-nitro-2H-indazole, 98+%
H33220	3,5-Dichloro-1H-indazole, 95%
H33435	3-Amino-1H-indazole, 97%

H34285	3-Amino-1-methyl-1H-indazole, 97%
H33460	3-Amino-4-bromo-1H-indazole, 97%
H34143	3-Amino-4-chloro-1H-indazole, 97%
H64990	3-Amino-4-fluoro-1H-indazole, 97%
H33750	3-Amino-4-methoxy-1H-indazole, 97%
H33351	3-Amino-5-bromo-1H-indazole, 97%
H33202	3-Amino-5-bromo-1-methyl-1H-indazole, 97%
H34227	3-Amino-5-iodo-1H-indazole, 97%
H32995	3-Amino-5-(trifluoromethyl)-1H-indazole, 97%
H34095	3-Amino-6-bromo-1H-indazole, 97%
H37775	3-Bromo-1H-indazole, 97%
H37979	3-Bromo-5-nitro-1H-indazole, 95%
H36695	3-Bromo-6-nitro-1H-indazole, 97%
H26807	3-Formylindole-1-acetic acid, 97+%
L05860	3-Indazolinone, 97%
L01515	4,5,6,7-Tetrahydro-1H-indazole, 98%
H64527	4-Bromo-1H-indazole, 97+%
H37416	4-Chloro-1H-indazole, 97%
H37143	4-Chloro-2,3,5,6-tetrafluoropyridine, 98%

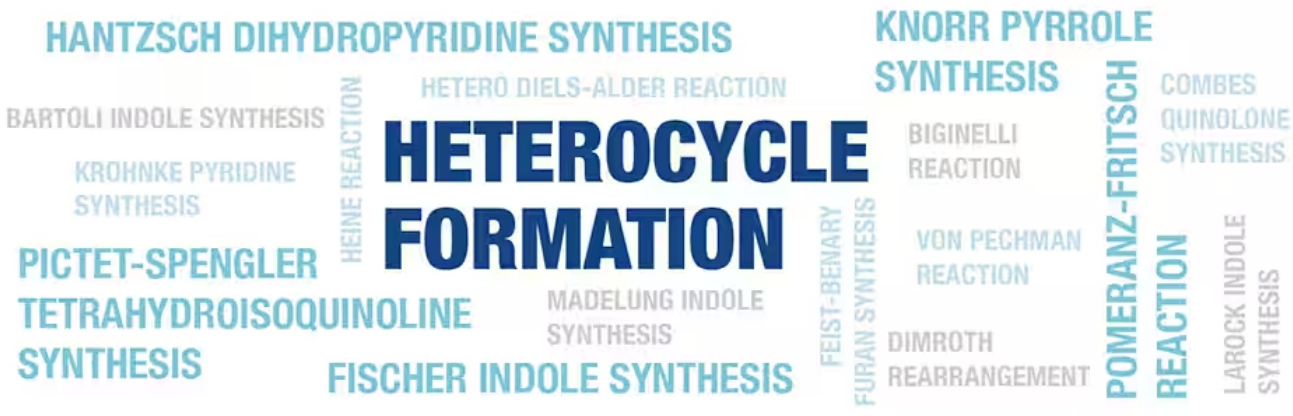
H36741	4-Chloro-3-iodo-1H-indazole, 97%
H37039	4-Methyl-1H-indazole, 97%
L06705	5-Amino-1H-indazole, 98%
H31755	5-Bromo-1-(2-tetrahydropyranyl)-1H-indazole, 95%
H54673	5-Bromo-1H-indazole, 97%
H36816	5-Bromo-7-chloro-1H-indazole, 96%
H26753	5-Bromo-7-methyl-1H-indazole, 97%
H26033	5-Fluoro-1H-indazole, 98%
H31828	5-Methyl-1H-indazole, 95%
A13478	5-Nitro-1H-indazole, 98+%
H61445	6-Amino-3-chloro-1H-indazole, 97%
H32623	6-Bromo-1H-indazole, 95%
H37529	6-Chloro-1H-indazole, 97%
H33611	6-[N-(2-chloro-4-pyrimidinyl)methylamino]-2,3-dimethyl-2H-indazole, 96%
A16213	6-Nitro-1H-indazole, 97%
H34042	7-Amino-1H-indazole, 97%
H32380	7-Bromo-1H-indazole, 95%

L07970	7-Nitro-1H-indazole, 98%
H32098	Ethyl 1H-indazole-3-carboxylate, 95%
H31995	Ethyl 1H-indazole-4-carboxylate, 95%
H32649	Ethyl 1H-indazole-5-carboxylate, 95%
H32249	Ethyl 1H-indazole-6-carboxylate, 95%
H32468	Ethyl 1H-indazole-7-carboxylate, 95%
H32933	Methyl 1H-indazole-6-carboxylate, 95%
H32529	Methyl 1H-indazole-7-carboxylate, 95%
H66587	N-Benzyloxycarbonyl-DL-asparagine, 98%

Piperazines / Homopiperazine

Piperazines (also known as 1,4-hexahydropyrazines) are saturated analogs of pyrazines. The piperazine ring plays a vital role in biological research and the drug manufacturing industry. A large number of commonly used drugs contain a piperazine moiety, like antianginals, antidepressants, antihistamines, antipsychotics, recreational drugs, urologicals, antihistaminic, anthelmintic, antibacterial, antiallergenic, antiemetic, and antimigraine agents. In general, they can be grouped as phenylpiperazines, benzylpiperazines, benzhydrylpiperazines, pyridinylpiperazines, pyrimidinyl-piperazines, or tricyclics. In addition, piperazine hydrate and piperazine citrate are used as a poultry deworming and a roundworm treatment drug in dogs and cats. Substituted piperazine derivatives occupy an important position both as bioactive targets and useful synthetic intermediates. Piperazine derivatives have also been used in various industries as raw materials for the production of hardeners of epoxy resins, corrosion inhibitors, accelerators for rubber, urethane catalysts, and antioxidants.

Homopiperazines (also known as 1,4-Diazacycloheptane, 2,3,4,5,6,7-Hexahydro-1H-1,4-diazepine) are seven-membered heterocyclic organic compounds with two nitrogen atoms in the 1- and 4-positions. Homopiperazine based compounds have been used as building blocks for several drug molecules owing to their potent biological activities. One of these compounds is 1-methylhomopiperazine, which is used as an intermediate for the preparation of several biologically active compounds. Homopiperazine-based compounds have also been used as corrosion inhibitors.



H27624	1-(1-Methyl-4-piperidinyl)piperazine, 98%
H55398	1-(1-Naphthylmethyl)piperazine, 97%
H50842	1-[2-(1-Piperazinyl)nicotinoyl]piperidine
H50692	1-[2-(1-Pyrrolidinyl)ethyl]piperazine, 97%
H28196	1-(2,3,4-Trimethoxybenzyl)piperazine dihydrochloride, 97%
L18697	1-(2,3-Dichlorophenyl)piperazine monohydrochloride, 98+%
H50687	1-(2,3-Dimethylphenyl)piperazine, 99%
H55734	1-(2,4,6-Trimethylbenzyl)piperazine, 97%
H55440	1-(2,4-Dichlorobenzyl)piperazine, 97%
L19393	1-(2,4-Difluorophenyl)piperazine, 99%
H50688	1-[2-(4-Morpholinyl)ethyl]piperazine, 97%
L19110	1-(2,5-Dimethoxybenzyl)piperazine hydrochloride, 97%
L05744	1-(2,5-Dimethylphenyl)piperazine, 96%
H50277	1-(2-Aminoethyl)-4-benzylpiperazine, 96%

H50837	1-(2-Aminoethyl)-4-methylhomopiperazine, 98%
H52371	1-(2-Aminoethyl)-4-methylpiperazine, 97+%
A10154	1-(2-Aminoethyl)piperazine, 98%
H63397	1-(2-Chloro-4-nitrophenyl)-4-methylpiperazine, 97%
H63232	1-(2-Chloro-4-nitrophenyl)piperazine, 97%
A17570	1-(2-Chlorophenyl)piperazine monohydrochloride monohydrate, 98%
H50686	1-(2-Di-n-propylaminoethyl)piperazine, 99%
H63310	1-(2-Fluoro-4-nitrophenyl)homopiperazine, 97%
H63059	1-(2-Fluoro-4-nitrophenyl)piperazine, 97%
H63077	1-(2-Fluoro-6-nitrophenyl)piperazine, 97%
L19395	1-(2-Fluorophenyl)piperazine, 99%
A16773	1-(2-Furoyl)piperazine, 98%
A17215	1-(2-Hydroxyethyl)piperazine, 98+%
H31806	1-(2-Methoxyethyl)homopiperazine, 95%
H55278	1-(2-Methoxyethyl)piperazine, 97%
A15819	1-(2-Methoxyphenyl)piperazine, 98%
B21205	1-(2-Methoxyphenyl)piperazine hydrochloride, 97%
H55203	1-(2-Methylbenzyl)piperazine, 97%
H26773	1-(2-Nitrophenyl)piperazine, 95%

B25158	1-(2-Phenylethyl)piperazine, 98%
H50946	1-(2-Pyridyl)homopiperazine, 98%
L05451	1-(2-Pyridyl)piperazine, 99%
H50161	1-(2-Pyrimidinyl)homopiperazine
B24085	1-(2-Pyrimidinyl)piperazine dihydrochloride, 98+%
L18704	1-(2-Tetrahydrofuroyl)piperazine, 97%
H52368	1-(2-Thiazolyl)piperazine hydrochloride, 97+%
H50930	1-[3-(1-Pyrrolidinylcarbonyl)-2-pyridyl]piperazine
H55685	1-(3,4-Dichlorobenzyl)piperazine, 97%
L05544	1-(3,4-Dichlorophenyl)piperazine, 98%
H50896	1-(3,5-Dichloro-2-pyridyl)piperazine, 97%
L04876	1-(3-Aminopropyl)-4-methylpiperazine, 98%
H66513	1,3-Bis[4-(7-chloro-4-quinolinyl)-1-piperazinyl]propane tetraphosphate tetrahydrate, 98%
H50777	1-(3-Chloro-2-pyridyl)homopiperazine, 97%
H50859	1-(3-Chloro-2-pyridyl)piperazine, 98%
H50263	1-(3-Chloro-5-trifluoromethyl-2-pyridyl)homopiperazine, 98%
H55409	1-(3-Chlorobenzyl)piperazine, 98%

H59896	1-(3-Chlorophenyl)piperazine hydrochloride, 97%
A14057	1-(3-Chlorophenyl)piperazine monohydrochloride, 97%
H50690	1-(3-Dimethylaminopropyl)piperazine, 99%
H55295	1-(3-Fluorobenzyl)piperazine, 97%
H51686	1-(3-Fluorophenyl)homopiperazine monohydrochloride, 98%
H50290	1-(3-Hydroxypropyl)piperazine, 98%
H50056	1-(3-Iodo-2-pyridyl)piperazine, 98%
H55450	1-(3-Methoxyphenyl)piperazine, 95%
L02164	1-(3-Methoxyphenyl)piperazine dihydrochloride, 97%
H51006	1-(3-Methyl-2-pyridyl)homopiperazine, 95%
L05333	1-(3-Trifluoromethyl)phenylpiperazine, 98%
A18553	1-(3-Trifluoromethylphenyl)piperazine monohydrochloride, 98%
H51904	1,4-Bis(2-hydroxy-3,5-di-tert-butylbenzyl)piperazine, 95%
H55063	1,4-Bis(2-hydroxyethyl)piperazine, 98%
L12508	1,4-Bis(3-aminopropyl)piperazine, 98%
H63961	1,4-Bis[alpha-(4-chlorophenyl)benzyl]piperazine dihydrochloride, 97%
H55145	1-(4-Bromobenzyl)piperazine, 97%
H63851	1-(4-Chloro-2-nitrophenyl)piperazine, 97%

H55970	1-(4-Chlorobenzhydryl)piperazine, tech. 90%
H55337	1-(4-Chlorobenzyl)piperazine, 98%
B25283	1-(4-Chlorophenyl)piperazine dihydrochloride, 95%
L01712	1-(4-Chlorophenyl)piperazine monohydrochloride, 97%
B24743	1,4-Diethylpiperazine, 98%
A18097	1,4-Diformylpiperazine, 98+%
B24419	1,4-Dimethylpiperazine, 98%
H63133	1-(4-Fluoro-2-nitrophenyl)piperazine, 97%
H50336	1-(4-Fluorobenzyl)-4-(2-hydroxyethyl)piperazine, 97%
H50694	1-(4-Fluorobenzyl)homopiperazine, 97%
H61993	1-(4-Fluorobenzyl)piperazine, 97%
A14541	1-(4-Fluorophenyl)piperazine, 98%
L17097	1-(4-Fluorophenyl)piperazine dihydrochloride, 98%
H56962	1-(4-Methoxy-3-nitrophenyl)-4-methylpiperazine, 97%
H55099	1-(4-Methoxybenzyl)piperazine, 97%
H55791	1-(4-Methoxyphenyl)piperazine, 97%
L02007	1-(4-Methoxyphenyl)piperazine dihydrochloride, 97%
H50871	1-(4-Methyl-2-pyridyl)piperazine

H55548	1-(4-Methylbenzyl)piperazine, 97%
H51750	1-(4-Methylphenyl)homopiperazine monohydrochloride, 98%
L18700	1-(4-Nitrophenyl)piperazine, 98%
H30286	1,4-Piperazinedipropionitrile, 96%
L19396	1-(4-Pyridyl)piperazine, 97%
H55320	1-(4-tert-Butylbenzyl)piperazine, 97%
H50862	1-(5-Chloro-2-pyridyl)piperazine, 99%
H27289	1-(5-Iodo-2-pyridyl)piperazine, 95%
H50897	1-(5-Methyl-2-pyridyl)piperazine, 97%
H50905	1-(6-Ethoxy-2-pyridyl)piperazine, 97%
H50895	1-(6-Methoxy-2-pyridyl)piperazine, 97%
H50876	1-(6-Methyl-2-pyridyl)homopiperazine, 99%
H50954	1-(6-n-Butoxy-2-pyridyl)piperazine
H26486	1-Acetyl-4-(4-aminophenyl)piperazine, 97%

B22083	1-Acetyl-4-(4-hydroxyphenyl)piperazine, 98%
H50260	1-Acetylhomopiperazine, 97%
B20200	1-Acetylpiperazine, 98%
L19391	1-Allylpiperazine, 98+%
H54831	1-Amino-4-cyclopentylpiperazine, 97%
L19108	1-Amino-4-methylpiperazine, 98%
L11530	1-Benzhydrylpiperazine, 97%
H55896	1-Benzoylpiperazine, 97%
H33591	1-Benzyl-3-methylpiperazine, 95%
H30169	1-Benzyl-3-methylpiperazine hydrochloride, 98+%
H55072	1-Benzyl-3-oxopiperazine, 95%
H52415	1-Benzyl-3-phenylpiperazine, 97%
L14644	1-Benzyl-4-Boc-piperazine, 99%
L15538	1-Benzyl-4-(ethoxycarbonylmethyl)piperazine, 98%
H27047	(±)-1-Benzyloxycarbonyl-4-Boc-piperazine-2-carboxylic acid, 97%
H56008	1-(Benzyloxycarbonyl)piperazine, 98%
H55173	1-[Bis(4-fluorophenyl)methyl]piperazine, 97%
H52797	1-Boc-2-phenylpiperazine, 97%

H52809	(±)-1-Boc-3-methylpiperazine, 97%
H27823	1-Boc-3-oxopiperazine, 98%
H63407	1-Boc-4-(2-chloro-4-nitrophenyl)piperazine, 97%
H63127	1-Boc-4-(2-chloro-6-nitrophenyl)piperazine, 97%
H33349	1-Boc-4-(2-chloroethyl)piperazine, 97%
H63340	1-Boc-4-(2-Fluoro-4-nitrophenyl)piperazine, 97%
H55966	1-Boc-4-(2-formylphenyl)piperazine, 97%
H55991	1-Boc-4-(2-hydroxyethyl)piperazine, 97%
H55302	1-Boc-4-(2-methoxycarbonylphenyl)piperazine, 97%
H63876	1-Boc-4-(2-nitrophenyl)piperazine, 97%
H55547	1-Boc-4-(3-hydroxypropyl)piperazine, 97%
H63191	1-Boc-4-(4-aminophenyl)piperazine, 97%
H63592	1-Boc-4-(4-chloro-2-nitrophenyl)piperazine, 97%
H55413	1-Boc-4-(4-formylphenyl)piperazine, 97%
H63615	1-Boc-4-(4-nitrophenyl)piperazine, 97%
H50144	1-Boc-4-(5-iodo-2-pyridyl)piperazine, 95%
H54465	1-Boc-4-(6-nitro-3-pyridyl)piperazine, 97%
L17728	1-Boc-homopiperazine, 98%

L13363	1-Boc-piperazine, 99%
H55480	1-(Cyclohexylcarbonyl)piperazine, 97%
H55491	1-(Cyclohexylmethyl)piperazine, 97%
H55219	1-(Cyclopropylcarbonyl)piperazine, 97%
H66242	1-(Cyclopropylcarbonyl)piperazine hydrochloride, 97%
H66870	1-(Cyclopropylmethyl)piperazine dihydrochloride, 97%
H52436	1-Cyclopropylpiperazine dihydrochloride, 97%
H63843	1-Ethyl-4-(2-fluoro-4-nitrophenyl)piperazine, 97%
H63555	1-Ethyl-4-(4-nitrophenyl)piperazine, 97%
A18248	1-Ethylpiperazine-2,3-dione, 97%
L15539	1-Ethylpiperazine, 98%
H55503	1-(Ethylsulfonyl)piperazine, 97%
L19358	1-Formyl-4-methylpiperazine, 98%
L17575	1-Formylhomopiperazine, 99%

A14757	1-Formylpiperazine, tech. 90
B25325	1-Isopropylpiperazine, 98%
H26924	1-Methyl-3-phenylpiperazine, 97%
H57633	1-Methyl-3-piperazinone, 95%
H63368	1-Methyl-4-(2-nitrophenyl)piperazine, 97%
H63665	1-Methyl-4-(4-nitrophenyl)piperazine, 97%
H27408	1-Methyl-4-(4-piperidinyl)piperazine, 98%
A10837	1-Methylpiperazine, 98+%
H55536	1-Methylpiperazine dihydrochloride, 98%
H63870	1-(Methylsulfonyl)piperazine, 97%
B21705	1-(o-Tolyl)piperazine, 97%
B22604	1-(o-Tolyl)piperazine dihydrochloride, 98%
A12610	1-Phenylpiperazine, 98+%
A16995	1-Phenylpiperazine hydrochloride, 99%
H50710	1-Piperazinepropionitrile
L05432	1-(p-Tolyl)piperazine dihydrochloride, 97%
H66497	1-tert-Butylpiperazine, 97%
L20078	1-Trityl-(R)-3-methylpiperazine, 98%, ee 99%

H26296	2-(1,3-Benzodioxol-5-yl)piperazine, 95%
H50967	2-(1-Piperazinyl)nicotinamide, 95%
H50853	2-(1-Piperazinyl)-N-(n-propyl)nicotinamide
B20252	2-(1-Piperazinyl)phenol, 98%
L15884	2-(1-Piperazinyl)pyrimidine, 99%
H51030	2-(1-Piperazinyl)quinoline hydrochloride
H26408	2-(2-Methoxyphenyl)piperazine monohydrate, 95%
H26453	2-(2-Naphthyl)piperazine, 95%
H26733	2-(2-Thienyl)piperazine, 96%
H26252	2,3-Dimethylpiperazine, cis + trans, 95%
H26616	2-(3-Methoxyphenyl)piperazine, 95%
H63830	2-[4-(4-Nitrophenyl)-1-piperazinyl]ethanol, 97%
H26820	2-(4-Biphenylyl)piperazine, 95%
H58152	2-(4-Boc-1-piperazinyl)benzamidoxime, 97%
H50058	2-(4-Boc-1-piperazinyl)pyridine-3-boronic acid pinacol ester
H26476	2-(4-Methoxyphenyl)piperazine, 95%
H50466	2-(4-Methyl-1-piperazinyl)thiazole-5-carboxaldehyde, 99%
H61858	2-Bromo-6-(4-methyl-1-piperazinyl)benzonitrile, 95%

B24405	(±)-2-Methylpiperazine, 98%
H26502	2-Phenylpiperazine, 96%
B24131	2-Piperazinone, 97%
H32524	(±)-2-(Trifluoromethyl)piperazine, 97%
H50746	3-(1-Piperazinyl)-1,2-benzisoxazole, 96%
H50838	3-(1-Piperazinyl)-6-(1-pyrrolidinyl)pyridazine, 99%
H63402	3-(1-Piperazinylmethyl)indole, 95%
L18702	3-(1-Piperazinyl)phenol, 97%
H53087	3-[4-(2-Hydroxyethyl)-1-piperazinylcarbonyl]benzeneboronic acid hydrochloride, 97%
H29275	3-(4-Boc-1-piperazinylcarbonyl)benzeneboronic acid pinacol ester, 96%
H51939	3-(4-Boc-1-piperazinylmethyl)benzeneboronic acid pinacol ester, 95%
H53008	3-(4-Methyl-1-piperazinylcarbonyl)benzeneboronic acid hydrochloride, 98%
H29224	3-(4-Methyl-1-piperazinylcarbonyl)benzeneboronic acid pinacol ester, 97%
H28762	3-(4-Methyl-1-piperazinylmethyl)benzeneboronic acid pinacol ester, 97%

H27886	Methyl (±)-4-Boc-piperazine-2-carboxylate
H61859	N-(2,6-Dimethylphenyl)-1-piperazineacetamide, 95%
H51683	N-Cyclopropyl-2-(1-piperazinyl)nicotinamide hydrochloride, 97%
H50856	N-Ethyl-2-(1-piperazinyl)nicotinamide, 99%
H54675	N-Ethyl-N-methyl-2-(1-piperazinyl)nicotinamide hydrochloride, 97+%
H50968	N-Methyl-2-(1-piperazinyl)nicotinamide, 99%
H51679	N,N-Dimethyl-2-(1-piperazinyl)nicotinamide hydrochloride, 96%
H50854	N-tert-Butyl-2-(1-piperazinyl)nicotinamide
H27344	(±)-Piperazine-2-carboxylic acid, 98%
H27101	(±)-Piperazine-2-carboxylic acid dihydrochloride, 98%
A15049	Piperazine, anhydrous, 99%
H37069	Piperazine hexahydrate, 97+%
A11487	Piperazine hydrogen phosphate monohydrate, 98+%
A16090	PIPES, 98%
H51884	Potassium 4-(1-methy-4-piperazinyl)phenyltrifluoroborate, 95%
H51889	Potassium 4-(4-methyl-1-piperazinylcarbonyl)phenyltrifluoroborate, 95%
H63722	(R)-1-[alpha-(4-Chlorophenyl)benzyl]piperazine, 97%
L20059	(R)-1-Benzoyl-3-methylpiperazine hydrochloride, 99%, ee 99%

H52431	(R)-1-Benzyl-3-(benzyloxymethyl)piperazine, 97%
H27350	(R)-(+)-1-Boc-3-methylpiperazine, 97%
H52820	(R)-2-Benzyloxymethyl-1-Boc-piperazine, 97%
B22366	(R)-(-)-2-Methylpiperazine, 98+%
H26898	(R)-(+)-Piperazine-2-carboxylic acid dihydrochloride, 98%
H52739	(S)-1,3-Dibenzylpiperazine, 97%
H52430	(S)-1-Benzyl-3-[2-(methylthio)ethyl]piperazine, 97%
H52557	(S)-1-Benzyl-3-ethylpiperazine, 97%
H52291	(S)-1-Benzyl-3-isobutylpiperazine, 97+%
H52300	(S)-1-Benzyl-3-isopropylpiperazine, 98+%
H52738	(S)-1-Boc-2-ethylpiperazine, 97%
H52409	(S)-1-Boc-2-isobutylpiperazine, 97%
H52424	(S)-1-Boc-2-isopropylpiperazine, 97%
H27534	(S)-(-)-1-Boc-3-methylpiperazine, 98%
H52785	(S)-2-Benzyl-1-Boc-piperazine, 97%
L14429	(S)-(+)-2-Methylpiperazine, 98+%
L20075	(S)-(+)-2-Methylpiperazine, 99+%, ee 99+%
H52579	(S)-3-(1-Boc-2-piperazinylmethyl)indole, 97%

Pyrazines

Pyrazines [1,4-Diazines, 1,4-Diazabenzenes] are six-membered aromatic heterocyclic organic compounds with two nitrogen atoms at 1,4-positions. Pyrazine is a weaker base (pKb = 13.4) than pyridine (pKb = 8.8), pyrimidine (pKb = 12.7), or pyridazine (pKb = 11.7).

Pyrazines are part of several biologically active polycyclic compounds; examples are quinoxalines, phenazines; and the bio-luminescent natural products pteridines, flavins, and their derivatives. All these compounds are characterized by a low lying unoccupied pi-molecular orbital and by the ability to act as a bridging ligand. In addition, a large number of pyrazine derivatives are known for their antitumor, antibiotic, anticonvulsant, antituberculosis, and diuretic activities.

In addition to other applications, pyrazine derivatives can also be utilized as flavouring agents, fragrance agents, and dyes. There are two important types of pyrazines which are mainly used in the flavour-fragrance industries, specifically alkyl and alkoxy pyrazines. Phenazine is a dibenzo annulated pyrazine, and it can be found in many dyes such as eurhodines, toluylene red, indulines, and safranines as a parent compound.

A13045	2-(2-Mercaptoethyl)pyrazine, 97%
A18279	2,3,5,6-Tetramethylpyrazine, 98+%
A14870	2,3,5-Trimethylpyrazine, 99%
L11500	2,3-Dichloropyrazine, 98%
H58294	2,3-Dicyano-5-phenylpyrazine, 97%
A15686	2,3-Diethyl-5-methylpyrazine, 98+%
A13277	2,3-Diethylpyrazine, 98%
A12628	2,3-Dimethylpyrazine, 99%
A14700	2,3-Diphenylpyrazine, 98%
A12352	2,5-Dimethylpyrazine, 99%
H61468	2,6-Dibromopyrazine, 95%
A11175	2,6-Dichloropyrazine, 98%
B24687	2,6-Dimethylpyrazine, 99%
A15674	2-Acetyl-3-ethylpyrazine, 98%

A15054	2-Acetyl-3-methylpyrazine, 98%
A15917	2-Acetylpyrazine, 99%
H28744	2-Amino-3,5-dibromopyrazine, 99%
H59185	2-Amino-3,6-dibromopyrazine, 95%
H63162	2-Amino-3-benzyloxypyrazine, 96%
H27215	2-Amino-3-chloropyrazine, 97%
H61255	2-Amino-3-methylpyrazine, 95%
H27465	2-Amino-5-bromopyrazine, 97%
H66509	2-Amino-5-chloropyrazine, 95%
H61286	2-Amino-5-methylpyrazine, 98%
H61934	2-Amino-6-chloropyrazine, 95%
H61990	2-Amino-6-methoxypyrazine, 95%
A13052	2-Aminopyrazine, 99%
H61651	2-Chloro-3-methylpyrazine, 95%
H33863	2-Chloro-5-(trifluoromethyl)pyrazine, 97%
A10108	2-Chloropyrazine, 98%
B25219	2-Ethoxypyrazine, 98%
H27383	2-Ethyl-3,5(6)-dimethylpyrazine, 99%, mixture of isomers
A15817	2-Ethyl-3-methoxypyrazine, 99%

A11092	2-Ethyl-3-methylpyrazine, 98+%
H64086	2-Hydrazinopyrazine, 98%
H51880	2-Hydroxy-3-methylpyrazine, 96%
H26244	2-Iodopyrazine, 95%
A13680	2-Isobutyl-3-methoxypyrazine, 98%
A10245	2-Isobutylpyrazine, 98%
L08067	2-Methoxy-3-methylpyrazine, 99%
A10297	2-Methoxypyrazine, 98%
A11957	2-Methyl-3-(methylthio)pyrazine, 99%
B22013	2-Methyl-3-n-propylpyrazine, 99%
H33449	2-Methyl-3-(trifluoromethyl)pyrazine, 96%
A14011	2-Methylpyrazine-5-carboxylic acid, 98%
A14146	2-Methylpyrazine, 99+%
B25279	2-(Methylthio)pyrazine, 99%
L03039	2-n-Pentylpyrazine, 97%
H33338	2-(Trifluoromethyl)pyrazine, 97%
A14007	2-Vinylpyrazine, 98%, stab. with ca 0.1% hydroquinone

H26877	3,6-Dimethoxypyridazine-4-carboxylic acid, 96%
H66908	3-Amino-6-bromopyrazine-2-carboxylic acid, 98%
H63553	3-Aminopyrazine-2-carboxamide, 96%
B23707	3-Aminopyrazine-2-carboxylic acid, 98%
H28250	3-Hydroxypyrazine-2-carboxamide, 98%
H52222	4-Methyl-2-(2-pyrazinyl)thiazole-5-carboxylic acid, 97%
H35120	4-Methyl-5-(2-pyrazinyl)-1,2-dithiole-3-thione
H54637	4-Phenyl-2-(2-pyrazinyl)thiazole-5-carboxylic acid, 97%
H58210	5,6-Dicyano-3-methyl-2-pyrazinone, 97%
H66207	5-Aminopyrazine-2-carboxylic acid, 95%
H66382	5-Bromopyrazine-2-carboxylic acid, 95%
H32596	5-Chloropyrazine-2-carboxylic acid, 95%
H66826	5-Methoxypyrazine-2-carboxylic acid, 98%
B21671	6,7-Dihydro-5-methylcyclopentapyrazine, 98%
H66404	6-Chloropyrazine-2-carboxylic acid, 95%
H66918	Ethyl 5-aminopyrazine-2-carboxylate, 95%
H66630	Ethyl 5-chloropyrazine-2-carboxylate, 95%
H55657	Methyl 3,5-diamino-6-chloropyrazine-2-carboxylate, 98%

H27614	Methyl 3-amino-5,6-dichloropyrazine-2-carboxylate, 97%
H63537	Methyl 3-amino-6-bromopyrazine-2-carboxylate, 97%
H63250	Methyl 3-amino-6-chloropyrazine-2-carboxylate, 97%
H63026	Methyl 3-amino-6-iodopyrazine-2-carboxylate, 96%
H29172	Methyl 3-aminopyrazine-2-carboxylate, 99%
H66706	Methyl 5-bromopyrazine-2-carboxylate, 97%
H66306	Methyl 5-chloropyrazine-2-carboxylate, 98%
H66682	Methyl 6-chloropyrazine-2-carboxylate, 95%
A12028	Methyl pyrazine-2-carboxylate, 98+%
B22108	Pyrazine-2,3-dicarboxylic acid, 98%
H64795	Pyrazine-2,5-dicarboxylic acid, 95%
A10974	Pyrazine-2-carbonitrile, 97+%
H50418	Pyrazine-2-carbonyl chloride, 90+%
H54834	Pyrazine-2-carboxamidoxime, 97%
A13363	Pyrazine-2-carboxylic acid, 99%
H26750	Pyrazine-2-thiocarboxamide, 97%
16326	Pyrazine, 98%
A13982	Pyrazine, 99+% (dry wt.) water <1.0%

Pyrazolo[3,4-d]pyrimidines

Pyrazolo[3,4-d]pyrimidines are bicyclic heteroaromatic organic compounds in which the pyrazole ring is fused to the pyrimidine ring. Generally pyrazolopyrimidine and its derivatives are found to possess a wide range of important pharmacophores and are privileged structures in medicinal chemistry. Specifically, pyrazolo[3,4-d]pyrimidines are considered to be chemically and pharmaceutically more important as purine analogs, as they exhibit various biological activities such as antimycobacterial, antitumor, antiviral, anticancer, antiinflammatory, analgesic, antifolate, antimicrobial, antifungal, antiproliferative and antihistaminic activities.

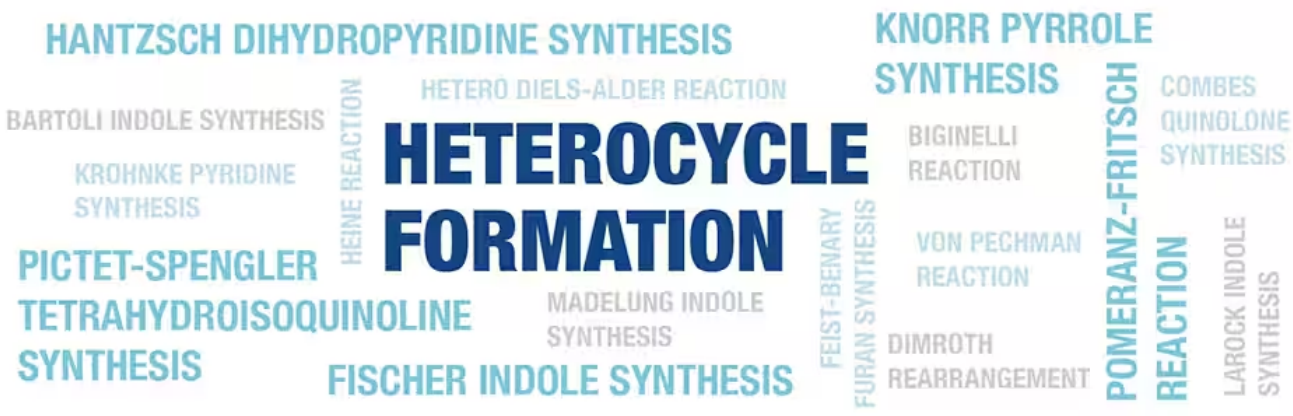
There have been a large number of pyrazolo[3,4-d]pyrimidine derivatives reported and research interests continue to grow owing to their potent biological activities. Some of the most important compounds are allopurinol and oxypurinol (which acts as an inhibitor of xanthine oxidase), tisopurine (used to treat gout), and 4-amino-5-(4-chlorophenyl)-7-(dimethylethyl)pyrazolo[3,4-d]pyrimidine (also known as PP2, which acts as a "selective" inhibitor of Src-family kinases). In addition to other medicinal uses, recent studies have revealed that a new series of pyrazolo[3,4-d]pyrimidine compounds also have an antiproliferative activity against human breast adenocarcinoma MCF-7 cell line.

L07160	4,6-Dihydroxy-1H-pyrazolo[3,4-d]pyrimidine, 98+%
L03519	4-Amino-1H-pyrazolo[3,4-d]pyrimidine, 98%
L07125	4-Amino-1-phenyl-1H-pyrazolo[3,4-d]pyrimidine, tech. 85%
H52572	4-Amino-3-iodo-1H-pyrazolo[3,4-d]pyrimidine, 97%
L06934	4-Amino-6-mercapto-1H-pyrazolo[3,4-d]pyrimidine, 94%
A16974	4-Hydroxy-1H-pyrazolo[3,4-d]pyrimidine, 98%
L10286	4-Hydroxy-1-phenyl-1H-pyrazolo[3,4-d]pyrimidine, 98+%
L06836	4-Hydroxy-6-mercapto-1H-pyrazolo[3,4-d]pyrimidine, 98%
B22919	4-Mercapto-1H-pyrazolo[3,4-d]pyrimidine, 98%

Pyrroles

Pyrroles are five-membered nitrogen containing heterocyclic aromatic compounds. The high resonance stabilization of the pyrrole system makes it more reactive than benzene. Hence pyrroles undergo electrophilic substitution reactions such as halogenations, nitration, and sulfonation, with mild electrophiles. The electrophilic reactions occur much more readily at 2 and 5 positions. Although pyrrole is an amine, it is not available for bonding to a proton and hence it is an extremely non-basic one. On the other hand, pyrrole is weakly acidic, and forms salts with potassium hydroxide because the resulting anion is resonance stabilized. Certain N-substitued pyrroles undergo cycloaddition reactions such as (4+2), (2+2), (2+1) cyclizations.

Pyrrole and its derivatives are widely used as intermediates in the synthesis of pharmaceuticals, medicines, agrochemicals, dyes, photographic chemicals, perfumes and other organic compounds. Pyrroles gained pharmacological importance due to their role in the anti-inflammatory, analgesic, antimicrobial, antitumor, antiepileptic, antiviral, antidiabetic, and antihypertensive properties of various pharmaceuticals (Pyrroles and Fused Pyrroles □ Synthesis and Therapeutic Activities. Mohamed, S. S. et al. Mini-Reviews in Organic Chemistry, 2014, 11(4).). Their structures form part of a vast variety of many natural products including hemoglobin, chlorophyll and alkaloids. In addition, pyrroles can be used as catalysts for polymerization, corrosion inhibitors, preservatives, and as solvents.



46716	11-Maleimidoundecanoic acid
L06887	1-(2-Aminophenyl)pyrrole, 98+%
H33247	1-(2-Fluorophenyl)pyrrole, 98%
H34139	1-[2-(Trifluoromethyl)phenyl]pyrrole, 98%
B25087	1-[3,5-Bis(trifluoromethyl)phenyl]-2,5-dimethylpyrrole, 96%
A15757	1-[3,5-Bis(trifluoromethyl)phenyl]pyrrole, 97%
B25125	1-(3,5-Dichlorophenyl)-2,5-dimethylpyrrole, 97%
H33504	1-(3-Ethoxycarbonylphenyl)pyrrole, 98%
H33348	1-(3-Fluorophenyl)pyrrole, 98%
H33444	1-[3-(Trifluoromethyl)phenyl]pyrrole, 98%
H50594	1-(4-Bromophenyl)-2,5-dimethylpyrrole
A15305	1-(4-Iodophenyl)pyrrole, 97%
H33515	1-[4-(Trifluoromethyl)phenyl]pyrrole, 98%
H58874	1,6-Bismaleimidohexane, 97%

L19496	1-Benzyl-3-pyrroline, 98%
H55936	1-Benzylpyrrole, 96%
H28428	1-Boc-2-(hydroxydimethylsilyl)pyrrole, 97%
H53078	1-Boc-pyrrole-2-boronic acid, 96%
H64171	1-Boc-pyrrole-2-boronic acid pinacol ester, 97%
H66520	1-Boc-pyrrole-2-carbonitrile, 97%
B23105	1-Furfurylpyrrole, 99%
H53305	1-Methylpyrrole-2-boronic acid pinacol ester, 97%
L18431	1-Methylpyrrole-2-carbonyl chloride, 95%
A11163	1-Methylpyrrole-2-carboxaldehyde, 98%
L05906	1-Methylpyrrole-2-carboxylic acid, 98%
B21451	1-Methylpyrrole, 99%
L07973	1-Phenylpyrrole, 99%
A11599	1-(Phenylsulfonyl)pyrrole, 98%
H28641	1-(p-Toluenesulfonyl)pyrrole, 98%
L13152	1-(Triisopropylsilyl)pyrrole, 95%
L06069	2-(1-Pyrrolyl)benzoic acid, 99%
A17667	2,2,5,5-Tetramethyl-3-pyrrolin-1-oxyl-3-carboxylic acid N-hydroxysuccinimide ester, 98+%
A18294	2,2,5,5-Tetramethyl-3-pyrroline-3-carboxamide, 99%

B25145	2,5-Dimethyl-1-(4-nitrophenyl)pyrrole, 97%
L05836	2,5-Dimethyl-1-phenylpyrrole-3-carboxaldehyde, 98+%
B20635	2,5-Dimethylpyrrole-3-carboxylic acid, 97%
A15353	2-Acetyl-1-methylpyrrole, 98%
A14593	2-Acetylpyrrole, 98%
44853	2-Methyl-1-pyrroline
B23954	2-Propionylpyrrole, 99%
H63718	2-(Trichloroacetyl)pyrrole, 99+%
H34243	3-(1-Pyrrolyl)-2-thiophenemethanol, 97%
H33124	3-(1-Pyrrolyl)benzoic acid, 97%
H50478	3,5-Dimethylpyrrole-2-carboxaldehyde, 97%
A12073	3-Acetylpyrrole, 97%
H50458	3-Cyano-2-(2-formyl-1-pyrrolyl)-4-methoxypyridine, 97%
H27329	3-Maleimidopropionic acid N-hydroxysuccinimide ester, 99%
H26072	3-Pyrroline, tech. 85% (remainder pyrrolidine)
H51073	4-(1-Pyrrolyl)benzoic acid, 99%
H52438	4-(1-Pyrrolylsulfonyl)benzeneboronic acid, 98%

H61178	4-(2,5-Dimethyl-1-pyrrolyl)benzonitrile, 98%
L12862	4,4'-Methylenebis(N-phenylmaleimide), 95%
H52280	4-(Maleimidomethyl)benzeneboronic acid pinacol ester, 95%
H34419	4-Methyl-2-(1-pyrrolyl)pyridine, 98%
L00879	4-Phenylazomaleinanil, 95%
H63711	5-Formyl-2,4-dimethylpyrrole-3-carboxylic acid, 96%
46384	6-Maleimidohexanoic acid
H51066	alpha-(4-tert-Butylphenyl)di(2-pyrrolyl)methane, 99%
A17522	Bilirubin 97%
B21374	Diethyl 2,4-dimethylpyrrole-3,5-dicarboxylate, 97%
A19238	Dimethyl 3,4-dihydroxypyrrole-2,5-dicarboxylate, 97%
A19832	Ethyl 2-methyl-1,5-diphenylpyrrole-3-carboxylate, 97%
A13814	Ethyl 3,4,5-trimethylpyrrole-2-carboxylate, 98%
H32267	Ethyl 4-(1-pyrrolyl)benzoate, 97%
A17365	Ethyl 4-acetyl-3,5-dimethylpyrrole-2-carboxylate, 98%
H64776	Ethyl 4-formylpyrrole-2-carboxylate, 96%
B25082	Ethyl 4-methylpyrrole-3-carboxylate, 97%
B24877	Ethyl 4-phenylpyrrole-3-carboxylate, 97%

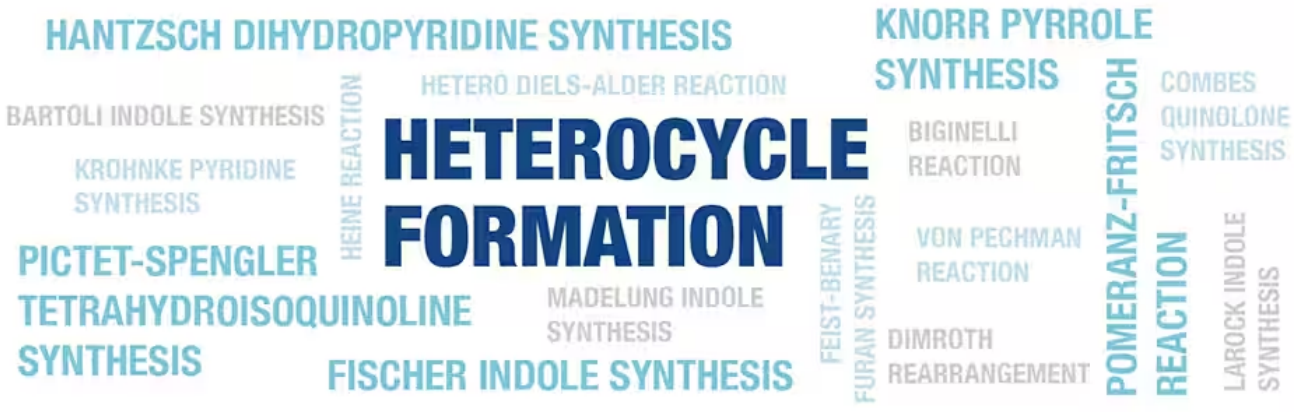
H63751	Ethyl 5-formyl-2,4-dimethylpyrrole-3-carboxylate, 95%
L16382	Ethyl pyrrole-2-carboxylate, 98+%
A13135	Maleimide, 98+%
H25946	meso-Tetrakis(4-methoxyphenyl)porphine, 95%
A18261	meso-Tetraphenylporphine, low chlorine
B25481	Methyl 1,2,5-trimethylpyrrole-3-carboxylate, 97%
A13095	Methyl 1-methylpyrrole-2-carboxylate, 99%
A19980	Methyl 2,5-dimethylpyrrole-3-carboxylate, 97%
L09368	Methyl 3-(1-pyrrolyl)thiophene-2-carboxylate, 97%
H33918	Methyl 4-bromopyrrole-2-carboxylate, 97%
H33193	Methyl 4-iodopyrrole-2-carboxylate, 97%
H34469	Methyl 4-nitropyrrole-2-carboxylate, 95%
H54340	Methyl pyrrole-3-carboxylate, 97%
B20656	N-(2,6-Diethylphenyl)maleimide, 97%
H50587	N-(2-Bromophenyl)maleimide, 96%
H50547	N-(2-Chloro-3-pyridyl)maleimide
H50586	N-(3-Bromophenyl)maleimide, 96%
A15589	N-(4-Acetylphenyl)-2,5-dimethylpyrrole, 98%

A13282	N-(4-Acetylphenyl)maleimide, 98%
A13119	N-(4-Bromophenyl)maleimide, 98%
L01058	N-(4-Ethylphenyl)maleimide, 98+%
A13551	N-Benzylmaleimide, 99%
L20406	N-Boc-3-pyrroline, 97%
A13685	N-Carbamoylmaleimide, tech. 90%
L00355	N-Ethylmaleimide, 98+%
L00437	N-Methylmaleimide, 98+%
L00460	N-(n-Propyl)maleimide, 94%
L16816	N-(Pentafluorophenyl)dichloromaleimide, 97%
A14616	N-Phenylmaleimide, 98+%
L15330	Pyrrole-2-carbonitrile, 99%
A12838	Pyrrole-2-carboxaldehyde, 99%
L18959	Pyrrole-2-carboxaldoxime, 97%

Quinolines

Quinolines (also called as benzo[b]pyridine and 1-azanaphthalene) are heterocyclic aromatic organic compounds with one nitrogen atom. It has a bicyclic structure, consisting of a benzene ring fused to the 2,3-positions of the pyridine ring. Quinoline is a weak tertiary base and it can form a salt with acids. It is generally more reactive towards both electrophiles and nucleophiles.

The synthesis of quinoline derivatives has been of considerable interest in organic and medicinal chemistry since a number of drugs and natural products contain this heterocyclic moiety. Quinolines and their derivatives have been receiving more attention by researchers especially in the pharmaceutical fields, due to their wide-range of biological activities, such as anti-malarial, anti-hypertensive, anti-asthmatic, anti-bacterial, and anti-inflammatory activities. Fluoroquinolones are popular and widely used antibacterial drugs. In addition, quinolines have also been used in the study of bio-organic and bio-organometallic processes. Quinoline-containing anti-malarial drugs are a mainstay of treatments against malaria. Quinine, a derivative of quinoline, is found naturally in plants as alkaloids. 8-Hydroxyquinoline is an important chelating agent and quinolines are used in the synthesis of rubber chemicals, dyes, and flavoring agents. Other industrial applications include their use as polymers, catalysts, corrosion inhibitors, and preservatives.



H31540	1,1'-Diethyl-2,2'-carbocyanine iodide, 96%
H55022	1,1'-Diethyl-2,2'-cyanine iodide, 97%
H55456	1,1'-Diethyl-4,4'-carbocyanine iodide, 96%
H26726	1,2,3,4-Tetrahydro-2,2,4,7-tetramethylquinoline, 97%
B22750	1,2,3,4-Tetrahydroquinoline, 98%
H66513	1,3-Bis[4-(7-chloro-4-quinolinyl)-1-piperazinyl]propane tetraphosphate tetrahydrate, 98%
H59873	1,3-Dichloroisoquinoline, 97%
A10584	1-Ethyl-2-methylquinolinium iodide, 97%
A17854	1-Ethylquinolinium iodide, 98%
H33508	2(1H)-Quinolinone-3-carboxaldehyde, 97%
H51030	2-(1-Piperazinyl)quinoline hydrochloride
A10907	2,2'-Biquinoline, 98%
B20747	2,4-Dihydroxyquinoline, 97%
L12348	2,4-Dihydroxyquinoline monosodium salt hydrate, 97%

L08348	2,4-Dimethylquinoline, 95%
B23934	2,6-Dimethylquinoline, 98%
A19750	2,8-Bis(trifluoromethyl)-4-hydroxyquinoline, 97%
H35471	2-Acetyl-7-amino-1,2,3,4-tetrahydroisoquinoline, 95%
L12760	2-Amino-4-hydroxyquinoline hydrate, 97%, water <12%
L20327	2-Bromoquinoline-3-boronic acid, 97%
H27302	2-Bromoquinoline, 96%
H33066	2-Chloro-3-(difluoromethyl)quinoline, 97%
H50492	2-Chloro-3-methylquinoline, 97%
H50151	2-Chloro-4,8-dimethylquinoline, 98%
H26504	2-Chloro-4-methylquinoline, 99%
H26973	2-Chloro-6-methoxyquinoline-3-carboxaldehyde, 99%
H32685	2-Chloro-7-methoxy-4-methylquinoline, 97%
H33446	2-Chloro-8-fluoroquinoline, 95%
A14102	2-(Chloromethyl)quinoline hydrochloride, 97%
L20329	2-Chloroquinoline-3-boronic acid, 97%
H27133	2-Chloroquinoline-3-carboxaldehyde, 98%
B23443	2-Chloroquinoline, 99%
A13724	2-Ethoxy-1-ethoxycarbonyl-1,2-dihydroquinoline, 99%

L20341	2-Fluoroquinoline-3-boronic acid, 97%
H34273	2-Hydrazino-4-methylquinoline, 96%
H29247	2-Hydroxyquinoline-4-carboxylic acid, 98%
B23064	2-Hydroxyquinoline, 99%
H32733	2-Mercapto-7-methoxy-4-methylquinoline, 96%
H54814	2-Methoxyquinoline-6-boronic acid pinacol ester, 96%
A10945	2-Methyl-6-nitroquinoline, 98%
L03006	2-Methyl-8-nitroquinoline, 98%
H63651	2-Methylquinoline-6-carboxaldehyde, 95%
H63790	2-Methylquinoline-6-carboxylic acid, 97%
H54984	2-Methylquinoline-7-boronic acid pinacol ester, 96%
A18734	2-Phenylquinoline-4-carboxylic acid, 99%
H31920	2-Phenylquinoline, 99+%
H33740	2-(Trifluoromethyl)quinoline, 97%
L01482	3,4,7,8-Tetramethyl-1,10-phenanthroline, 98+%
H36638	3,4-Dihydro-2-(1H)-quinolinone, 98%
H54859	3,5-Dibromoquinoline, 96%

B24049	3,8-Diamino-6-phenylphenanthridine, 98%
H33206	3-Acetylquinoline, 97%
A16592	3-Aminoquinoline, 98%
A14573	3-Bromoquinoline, 98%
H54211	3-Methoxyquinoline-5-boronic acid pinacol ester, 96%
H50834	3-Methyl-2-(1-piperazinyl)quinoline, 97%
A13109	3-Methylquinoline, 98+%
L10635	3-Methylquinoline N-oxide, 97%
H59307	4,6-Dichloroquinoline, 97%
A15985	4,7-Dichloroquinoline, 98%
A19506	4,8-Dichloro-2-(trifluoromethyl)quinoline, 97%
H33788	4-(8-Quinolinylsulfonylamino)benzoic acid, 96%
L14295	4-Amino-2-methylquinoline, 98%
H50355	4-Amino-7-(trifluoromethyl)quinoline, 98%
H50193	4-Amino-8-(trifluoromethyl)quinoline, 97%
B25305	4-Bromomethyl-2(1H)-quinolinone
H51714	4-Chloro-2,8-dimethylquinoline
H50555	4-Chloro-2-methyl-7-(trifluoromethyl)quinoline, 97%

A15002	4-Chloro-2-methylquinoline, 97%
H59428	4-Chloro-6,8-difluoroquinoline, 97%
H50553	4-Chloro-6-fluoro-2-methylquinoline, 96%
H50540	4-Chloro-6-fluoroquinoline
H59890	4-Chloro-6-methylquinoline, 97%
H50539	4-Chloro-6-(trifluoromethyl)quinoline, 99%
H50554	4-Chloro-7-fluoro-2-methylquinoline, 95%
H50556	4-Chloro-8-fluoro-2-methylquinoline, 99%
H50541	4-Chloro-8-fluoroquinoline
H50559	4-Chloro-8-methoxy-2-methylquinoline, 95%
H50201	4-Chloro-8-methylquinoline
A17301	4-Chloro-8-(trifluoromethyl)quinoline, 98%
H54085	4-Chloroquinoline-6-boronic acid pinacol ester, 96%
H56721	4-Chloroquinoline, 99%
A14587	4-Hydroxy-2-methylquinoline, 98+%
B20675	4-Hydroxy-6-methyl-2-(trifluoromethyl)quinoline, 97%
A18555	4-Hydroxy-6-(trifluoromethyl)quinoline, 98%
A19110	4-Hydroxy-8-methyl-2-(trifluoromethyl)quinoline, 97%

A16916	4-Hydroxy-8-(trifluoromethyl)quinoline, 98%
A12602	4-Hydroxyquinoline-2-carboxylic acid hydrate, 98%
A15859	4-Hydroxyquinoline, 98%
H50881	4-Methyl-2-(1-piperazinyl)quinoline, 97%
H34098	4-Methylquinoline-2-thiol, 96%
H61732	4-Trifluoromethyl-2(1H)-quinolinone, 97%
A14284	5,7-Dibromo-8-hydroxyquinoline, 97%
L02078	5-Amino-6-nitroquinoline, 97%
L19628	5-Aminoquinoline, 99%
H54919	5-Bromo-3-methoxyquinoline, 96%
H54386	5-Bromo-8-methoxyquinoline, 96%
L19634	5-Bromoquinoline, 97%
A11137	5-Chloro-8-hydroxy-7-iodoquinoline, 98%
B22856	5-Chloro-8-hydroxyquinoline, 95%

A18622	8-Ethoxyquinoline-5-sulfonic acid monohydrate, 99%
A16668	8-Ethoxyquinoline-5-sulfonic acid sodium salt hydrate, 97%
A19696	8-Fluoro-4-hydroxy-2-(trifluoromethyl)quinoline, 97%
H31831	8-Fluoroquinolin-4-ol, 97%
L06989	8-Hydroxy-2-methylquinoline, 98%
B24462	8-Hydroxy-5-nitroquinoline, 96%
H50433	8-Hydroxyquinoline-2-carbonitrile, 98%
H27054	8-Hydroxyquinoline-2-carboxylic acid, 98%
B20022	8-Hydroxyquinoline-5-sulfonic acid hydrate, 98%
A14720	8-Hydroxyquinoline, 99%
41272	8-Hydroxyquinoline, ACS
L02743	8-Hydroxyquinoline sulfate monohydrate, 98%
H54445	8-Methoxyquinoline-5-boronic acid pinacol ester, 96%
H54430	8-Methoxyquinoline, 96%
L03288	8-Methylquinoline, 97+%
B23574	8-Nitroquinoline, 98%
H55386	8-(p-Toluenesulfonylamino)quinoline, 97%
H61267	8-(Trifluoromethyl)quinoline, 98%

B25218	alpha,alpha,alpha-Tribromoquinaldine, 97%
44247	Bicinchoninic acid disodium salt
A18796	(-)-Cinchonidine, 99% (total base), may cont. up to 5% quinine
A17523	(+)-Cinchonine, 98+%, cont. up to 3% quinidine/dihydroquinidine and 3% quinine/dihydroquinine
H29239	Ethyl 1-ethyl-6,7,8-trifluoro-4-oxo-1,4-dihydroquinoline-3-carboxylate, 97% (dry wt.), may cont. up to 5% water
H63213	Ethyl 2-methylquinoline-6-carboxylate, 97%
H59369	Ethyl 4,6,8-trichloroquinoline-3-carboxylate, 97%
H59474	Ethyl 4,6-dichloro-8-methylquinoline-3-carboxylate, 97%
H59231	Ethyl 4,6-dichloroquinoline-3-carboxylate, 97%
H59291	Ethyl 4,8-dichloroquinoline-3-carboxylate, 97%
H50504	Ethyl 4-chloro-5,7-dimethylquinoline-3-carboxylate
H50502	Ethyl 4-chloro-6-fluoroquinoline-3-carboxylate, 95%
H50515	Ethyl 4-chloro-6-methoxyquinoline-3-carboxylate, 97%
H59473	Ethyl 4-chloro-7-methoxyquinoline-3-carboxylate, 97%
H50507	Ethyl 4-chloro-8-fluoroquinoline-3-carboxylate, 97%
H50509	Ethyl 4-chloro-8-methoxyquinoline-3-carboxylate
H50510	Ethyl 4-chloro-8-methylquinoline-3-carboxylate
H50150	Ethyl 4-chloroquinoline-3-carboxylate, 96%

H59301	Ethyl 6-bromo-4-chloroquinoline-3-carboxylate, 97%
H32634	Ethyl 6-fluoro-4-hydroxyquinoline-3-carboxylate, 97%
H59657	Ethyl 8-bromo-4-chloroquinoline-3-carboxylate, 97%
B21627	Ethylhydrocupreine hydrochloride, 97%
A14040	Lepidine, 97%
H50180	Octahydro-4(1H)-quinolinone, 97%
H51891	Potassium quinoline-8-trifluoroborate, 95%
A10192	Quinaldic acid, 98%
A13412	Quinaldine, 96%
A17036	Quinine hemisulfate monohydrate, 98+%
H33474	Quinine monohydrochloride dihydrate, 99% (total base), may contain up to 10% Dihydroquinine
L19427	Quinoline-2-carbonitrile, 97%
L20202	Quinoline-2-carboxaldehyde, 97%
L20088	Quinoline-3-boronic acid, 95%

Triazine

Triazines are six-membered heterocyclic aromatic compounds containing three nitrogen atoms in the ring. Triazines exist in three isomeric forms viz., 1,2,3-triazine, 1,2,4-triazine, and 1,3,5-triazine (s-triazine). Compared to benzene, the resonance energy of triazines is very less, and hence less aromatic than benzene.

The 1,3,5-triazine unit has been used as a key functional group in host-guest chemistry owing the formation of three strong hydrogen bonds with the host molecule. The less expensive triazine based reagent cyanuric chloride has been successfully used in the synthesis of substituted 1,3,5-triazines by controlled nucleophilic substitutions. As an alternative to Swern oxidation, cyanuric acid has been used for the conversion of alcohols to formates and alkyl chlorides, and the carboxylic acids into hydroxamic acids, acid chlorides, 2-oxazolines, esters, alcohols and amides (for a review: Use of the ring opening reactions of 1,3,5-triazines in Organic Synthesis. Aksenov, A.V. et al. Chemistry of Heterocyclic Compounds, 2009, 45(2), 130-150).

Generally, triazines play a vital role in many biological processes and synthetic drug chemistry. They constitute core structure in many chemotherapeutic agents, which includes anti-HIV, antibacterial, anti-angiogenesis, and antimalarial activities. In addition, the s-triazine ring containing compounds have also found application in pesticides, resin intermediates, dyes and explosives

L16911	1,3,5-Triazine, 97%
H25964	1,3,5-Tribenzylhexahydro-1,3,5-triazine, 98+%
H64078	1,3,5-Tri-n-propylhexahydro-1,3,5-triazine, 96%
A17201	2,4,6-Tri(2-pyridyl)-1,3,5-triazine, 98%
H33572	2,4,6-Triphenoxy-1,3,5-triazine, 96%
H36052	2,4,6-Tris(3-pyridyl)-1,3,5-triazine, 97%
L16883	2,4,6-Tris(heptafluoropropyl)-1,3,5-triazine, Mass Spec Std.
L16678	2,4,6-Tris(perfluoroheptyl)-1,3,5-triazine, Mass Spec Std
L16679	2,4,6-Tris(perfluorononyl)-1,3,5-triazine, Mass Spec Std
B22001	2,4,6-Tris(trifluoromethyl)-1,3,5-triazine, 98%
H53469	2,4-Diamino-6-(4-methylphenyl)-1,3,5-triazine, 97%
A19392	2,4-Diamino-6-undecyl-1,3,5-triazine, 97%
B25742	2,4-Dianilino-6-(4-morpholinyl)-1,3,5-triazine, 97%
H50548	2,4-Dichloro-6-(4-fluorophenylamino)-1,3,5-triazine, 94%

	B20041	2-Amino-4-methoxy-6-(methylthio)-1,3,5-triazine, 97%
	B25741	2-Anilino-4,6-di(4-morpholinyl)-1,3,5-triazine, 97%
	B24474	2-Chloro-4,6-dimethoxy-1,3,5-triazine, 98%
	H33175	2-Chloro-4,6-diphenyl-1,3,5-triazine, 97%
	H50544	2-n-Butoxy-4,6-dichloro-1,3,5-triazine
	A15993	3-Amino-5,6-dimethyl-1,2,4-triazine, 97%
	L13064	4,6-Diamino-2-hydroxy-1,3,5-triazine, tech. 90%
	L20436	5,6-Diethyl-3-(2-pyridyl)-1,2,4-triazine, tech. 90%
	L20435	5,6-Dimethyl-3-(2-pyridyl)-1,2,4-triazine, 96%
	L10607	5,6-Diphenyl-3-(2-pyridyl)-1,2,4-triazine-4,4'-disulfonic acid disodium salt hydrate, 97+%
	B24066	5,6-Diphenyl-3-(2-pyridyl)-1,2,4-triazine-4,4"-disulfonic acid monosodium salt hydrate, 97%
	B24601	5,6-Diphenyl-3-(2-pyridyl)-1,2 4-triazine, 99%
	A13410	5-Azacytosine, 98% (dry wt.), may cont. up to ca 7% water
	A14389	6-Azauracil, 98%
	L09620	Hexahydro-1,3,5-triphenyl-1,3,5-triazine, 98%

Azaindole

Azaindoles are heterocyclic aromatic organic compounds. Azaindoles have bicyclic structure, consisting of pyrrole ring fused to a pyridine ring. The azaindole moiety exhibits excellent potential for biological activity, while structurally differing from indole only by additional ring nitrogen. Azaindole can be classified into different forms such as 4-azaindole, 5-azaindole, 6-azaindole and 7-azaindole. The properties of 7-azaindoles are governed by the two N-heteroatomic rings with opposite pi-electron effects. The 7-azaindoles are stronger bases than indoles with pKa of 4.59 for azaindole, and influenced by the two heteroaromatic rings with opposite electron properties.

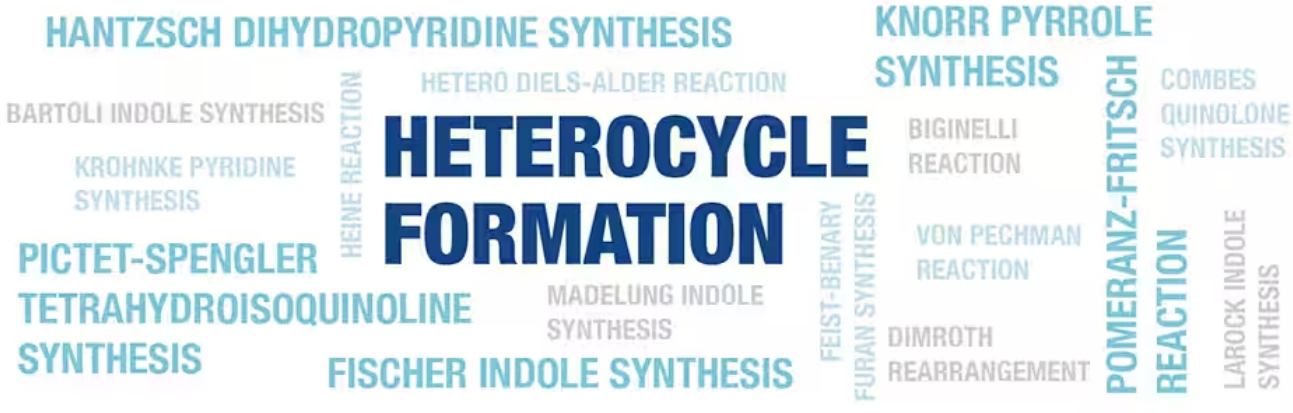
A few naturally occurring azaindole-containing compounds have been isolated. Most azaindoles have been prepared traditionally by classical methods such as Fischer, Madelung and Reissert procedures. 7-Azaindoles have been extensively investigated for uses in biological probes and imaging. Being isosteres of indoles, they have been the target of extensive synthetic efforts to explore their potent pharmacological activities. They also have applications in material synthesis. 7-azaindoles are excellent blue emitters for organic LEDs (light emitting diodes). With a wide range of metal ions, they readily form coordination complexes, and their metal complexes display not only phosphorescence but also unusual and often unprecedented reactivity toward C-H and C-X bonds (Review: Luminescence and reactivity of 7-azaindole derivatives and complexes, Zhao, SB. et al., Chem. Soc Rev., 2010, 39(8), 142-56).

H51675	1-Benzyl-3-iodo-7-azaindole, 97%
H51949	1-Benzyl-7-azaindole-3-boronic acid pinacol ester, 95%
H31505	1-Phenylsulfonyl-7-azaindole-3-boronic acid pinacol ester, 95%
H64551	2,3-Dihydro-7-azaindole, 97+%
H66137	3-Bromo-7-azaindole, 96%
H59457	3-Iodo-7-azaindole, 97%
H64224	4-Azaindole, 97%
H66114	4-Bromo-7-azaindole, 95%
H56734	4-Chloro-7-azaindole, 98%
H35382	5-Amino-7-azaindole, 97%
H64272	5-Azaindole, 98%
H50173	5-Benzyloxy-6-azaindole-3-carboxaldehyde, 96%
H35193	5-Bromo-2-phenyl-7-azaindole, 97%
H50041	5-Bromo-3-iodo-7-azaindole, 97%

H50040	5-Bromo-7-azaindole, 96%
H33628	5-Chloro-4-azaindole-2-carboxylic acid, 98%
H66268	5-Chloro-7-azaindole, 95%
H33141	5-Nitro-7-azaindole, 97%
H64458	6-Azaindole, 97+%
H66863	6-Bromo-7-azaindole, 96%
H66655	6-Chloro-7-azaindole, 95%
H59866	7-Azaindole-3-carboxylic acid, 95%
H33139	7-Azaindole-4-carboxylic acid, 97%
H50044	7-Azaindole-5-boronic acid pinacol ester, 97%
L07983	7-Azaindole, 98%
H28946	7-Chloro-6-azaindole, 97%
H34250	Ethyl 7-azaindole-4-carboxylate, 97%
H34321	Methyl 4-azaindole-2-carboxylate, 95%

Bipyridines

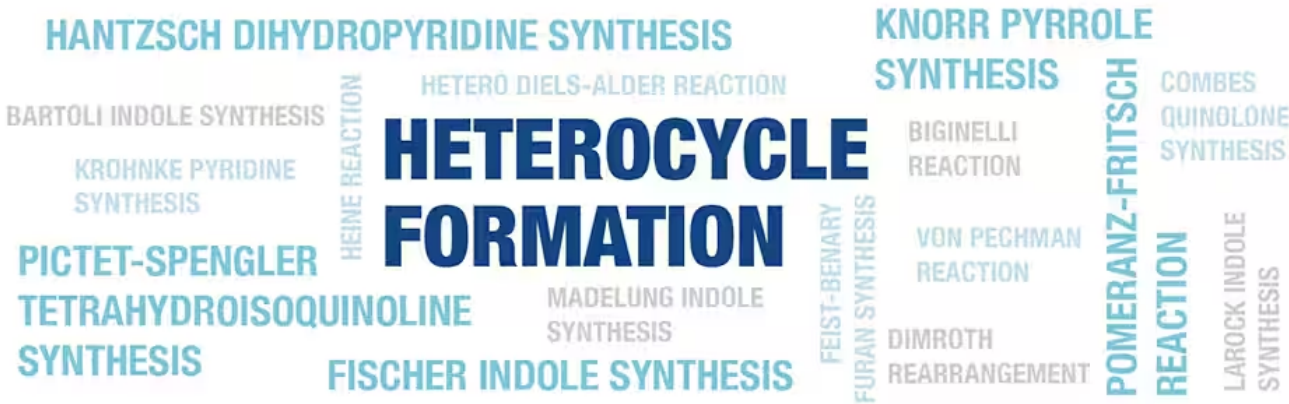
Bipyridines comprise two pyridine rings connected directly through a single bond, and also referred to as bipyridyls, dipyridyls, and dipyridines. They are classified into six possible regio-isomers structures such as 2,2'-bipyridine, 2,3'-bipyridine, 2,4'-bipyridine, 3,3'-bipyridine, 3,4'-bipyridine, and 4,4'-bipyridine. Among these isomers, 2,2'-bipyridine is the most familiar chelating ligand in coordination chemistry that forms complexes with most transition metal ions, while 4,4'-bipyridine (4,4'-bipy) is mainly used as a precursor to the N,N'-dimethyl-4,4'-bipyridinium dication, commonly known as paraquat.



A15782	2,2'-Bipyridine, 99+%
30569	2,2'-Bipyridine, ACS, 98%
H27520	2,2'-Dichloro-3,4'-bipyridine, 95%
H27695	2,2'-Dichloro-4,4'-bipyridine, 95%
H27366	2,4'-Bipyridine, 97%
H26884	2-Chloro-2'-fluoro-3,3'-bipyridine, 95%
A10187	4,4'-Bipyridine, 98%
B24936	4,4'-Dimethyl-2,2'-bipyridine, 98%
H31476	4,4'-Di-n-nonyl-2,2'-bipyridine, 97%
H27492	5,2'-Dichloro-2,3'-bipyridine, 95%
H27759	5,2'-Dichloro-2,4'-bipyridine, 95%
H26378	5,5'-Dimethyl-2,2'-bipyridine, 98%
H27352	5-Chloro-2'-fluoro-2,3'-bipyridine, 95%
H27243	5-Chloro-2'-fluoro-2,4'-bipyridine, 95%
H27379	6,2'-Dichloro-3,4'-bipyridine, 95%
H27037	6-Chloro-3,4'-bipyridine, 95%
44613	(R)-(+)-2,2',6,6'-Tetramethoxy-4,4'-bis(di(3,5-xylyl)phosphino)-3,3'-bipyridine
44614	(S)-(-)-2,2',6,6'-Tetramethoxy-4,4'-bis(di(3,5-xylyl)phosphino)-3,3'-bipyridine

Condensed Pyridines

Condensed pyridines are those heterocycles in which five- or six-membered rings are fused with pyridine ring. Several condensed pyridine derivatives have been made and are widely used in pharmaceutical applications. Some of the condensed pyridines are reported as DPP-4 inhibitors, which include dihydro-1H-[1,5]naphthyridin-2-one ring and the like. Some of them have been reported to possess antifungal and antidiabetes activities.



H32694	1,2,4-Triazolo[4,3-a]pyridine-3-thiol, 96%
H61710	1H-Pyrazolo[3,4-b]pyridine, 97%
H25896	2,3-Cyclopentenopyridine, 99%
H66234	2,3-Dihydropyrido[2,3-d]oxazol-2-one, 97%
H54363	2-Chloro-8-cyclopentyl-5-methyl-8H-pyrido[2,3-d]pyrimidin-7-one, 97%
H51017	2-(Methylthio)oxazolo[5,4-c]pyridine
H50122	3-Amino-4,6-dimethylisoxazolo[5,4-b]pyridine, 95%
H35421	3-Bromo-6-cyanoimidazo[1,2-a]pyridine, 95%
H33652	3-Bromofuro[3,2-b]pyridine, 96%
H35255	3-Iodopyrazolo[1,5-a]pyridine, 97%
H66767	4-Chloro-1H-pyrazolo[3,4-b]pyridine, 98%
H29157	4-Chlorothieno[3,2-c]pyridine, 98%
H35275	5,6,7,8-Tetrahydro-9H-pyrido[3,2-b]indol-9-one, 98%
H66411	5-Bromo-1H-pyrazolo[3,4-b]pyridine, 95%
H33622	5-Bromo-2-(hydroxymethyl)furo[2,3-b]pyridine, 98%
H33927	5-Bromo-2-phenylfuro[2,3-b]pyridine, 98%
H63881	5-Chloro-1,2,4-triazolo[4,3-a]pyridine, 97%
H33292	5-Chloro-2-(hydroxymethyl)furo[3,2-b]pyridine, 97%
H33511	5-Chloro-2-phenylfuro[3,2-b]pyridine, 97%

	H33099	5-Chlorofuro[3,2-b]pyridine, 96%
	H66700	6-Bromo-[1,2,4]triazolo[1,5-a]pyridine, 96%
	H27780	7-Fluoro-1,2,3,4-tetrahydro-9H-pyrido[3,4-b]indole, 95%
	H33841	8-Bromoimidazo[1,2-a]pyridine, 97%
	H34279	Ethyl 2-amino-6-Boc-4,7-dihydrothieno[2,3-c]pyridine-3(5H)-carboxylate, 97%
	H33908	Furo[3,2-b]pyridine-2-boronic acid pinacol ester, 97%
	H32966	Furo[3,2-b]pyridine, 95%
	L19068	Harmine, 98+%
	H35502	Pyrazolo[1,5-a]pyridine, 97%
	B22843	Pyrido[2,3-b]pyrazine, 98%
	H66105	S-[(6-Chloro-2-oxooxazolo[4,5-b]pyridin-3yl)methyl] O,O-dimethyl phosphorothioate, 95%
	H54086	(S)-(-)-9,10-Difluoro-3-methyl-7-oxo-2,3-dihydro-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid, 97+%
	H50172	Thieno[3,2-b]pyridin-7-ol, 96%

Indoles

Indoles [2,3-Benzopyrrole; 1-Benzazole] are heteroaromatic bicyclic compounds in which the benzene ring is fused to pyrrole ring. Chemically, it resembles pyrrole. It has basic properties, and undergoes electrophilic substitution reactions such as nitration, sulfonation and halogenations at the 3-position. Some plants and fungi are rich in indole-containing molecules, such as indole-3-carbinol, harmane, lysergic acid, bufotenin, serotonin, tryptamine.

Indoles are the most used compounds in the medicinal fields as they possess biological activities against several diseases. Tryptophan is one of the most essential amino acids and serves as a biosynthetic precursor for a wide variety of molecules including tryptamine-indole, and 2,3-dihydroindole-containing secondary metabolites. In animals, serotonin (5-hydroxytrytamine) is a very important neurotransmitter in the CNS, and also in the cardiovascular and gastrointestinal systems.

H33269	1,2-Diphenylindole-3-carboxaldehyde, 96%
L03698	1,3-Diacetylindole, 97%
H63745	1-Acetyl-5-bromoindole, 97%
B21527	1-Acetylindole-3-carboxaldehyde, 98%
H57676	1-Benzyl-5-bromoindole, 97%
H66294	1-Benzylindole-3-carboxylic acid, 95%
H51945	1-Benzylindole-5-boronic acid pinacol ester, 95%
H63414	1-Benzylindole, 97%
H52954	1-Boc-4-chloroindole-2-boronic acid, 98%
H52913	1-Boc-5-cyanoindole-2-boronic acid, 95%
H53019	1-Boc-5-fluoroindole-2-boronic acid, 95%
H52654	1-Boc-5-methoxyindole-2-boronic acid, 95%
H52511	1-Boc-5-(tert-butyldimethylsiloxy)indole-2-boronic acid, 98%
H53229	1-Boc-6-chloroindole-2-boronic acid, 98%

H52520	1-Boc-6-cyanoindole-2-boronic acid, 96%
H52482	1-Boc-6-methoxyindole-2-boronic acid, 98%
H52622	1-Boc-6-methylindole-2-boronic acid, 95%
H53063	1-Boc-7-methoxyindole-2-boronic acid, 98%
L18009	1-Boc-indole-2-boronic acid, 95%
H59663	1-Boc-N-Fmoc-L-tryptophan, 97%
H63935	1-Indoleacetic acid, 95%
B22105	1-Methyl-2-phenylindole, 99%
H34418	1-Methyl-3-indolemethylamine, 96%
H53028	1-Methylindole-2-boronic acid, 95%
H34157	1-Methylindole-3-carbonitrile, 96%
L02212	1-Methylindole-3-carboxaldehyde, 98+%
H66466	1-Methylindole-5-carboxaldehyde, 97%
A12605	1-Methylindole, 98%
H34284	1-(Phenylsulfonyl)indole-3-carboxylic acid, 97%
L17566	1-(Phenylsulfonyl)indole, 98%
B22320	1-(p-Toluenesulfonyl)indole, 95%
H53035	1-(tert-Butyldimethylsilyl)indole-4-boronic acid, 98%
H52624	1-(tert-Butyldimethylsilyl)indole-5-boronic acid, 97%

H52633	1-(tert-Butyldimethylsilyl)indole-6-boronic acid, 98%
B20434	2-(2-Naphthyl)indole, 98%
H33109	2,3,3,5-Tetramethylindolenine, 96%
H32368	2,3,3-Trimethyl-3H-benzo[g]indole, 96%
B22410	2,3,3-Trimethylindolenine, 98%
A12920	2-(3-Chloro-4-fluorophenyl)indole, 98%
L07644	2,3-Dimethyl-5-nitroindole, 97%
A18504	2,3-Dimethylindole, 97%
H63091	2-(4-Bromophenyl)-5-fluoroindole, 97%
A13638	2-(4-Chlorophenyl)indole, 98%
A13255	2-(4-Fluorophenyl)indole, 99%
H66874	2,5-Dimethylindole, 97%
H66482	2-Amino-2-(5-indolyl)acetic acid, 98%
H54281	2-(Aminomethyl)indole, 97%
H34381	2-Chloroindole-3-carboxaldehyde, 97%
L19071	2-Methylindole-3-acetic acid, 98+%
A10764	2-Methylindole, 98+%

B20993	2-Phenylindole-3-acetonitrile, 97%
B21041	2-Phenylindole-3-carboxaldehyde, 97%
B23674	2-Phenylindole, 95%
H27894	(2S,3aS,7aS)-Octahydroindole-2-carboxylic acid, 98%
H63821	3-(1,2,3,6-Tetrahydro-4-pyridyl)indole, 95%
H63020	3-(1-Methyl-4-piperidinyl)indole, 97%
H63402	3-(1-Piperazinylmethyl)indole, 95%
H63256	3-(1-Piperidinylmethyl)indole, 95%
H63840	3-(1-Pyrrolidinylmethyl)indole, 95%
H33049	3-(2,3,3-Trimethyl-3H-indol-5-yl)propionic acid, 96%
H63653	3-(2-Aminoethyl)-5-bromoindole, 97%
H59415	3-(2-Aminoethyl)-5-methylindole hydrochloride, 97%
L16341	3-(4-Fluorophenyl)-1-isopropylindole, 98%
H63366	3-(4-Morpholinylmethyl)indole, 95%
A16221	3-Acetylindole, 98%
H32042	3-Bromo-1-phenylsulfonyl-7-azaindole, 95%
H66226	3-Bromo-1-(phenylsulfonyl)indole, 97%
H63478	3-Bromo-4-nitroindole, 97%

H63940	3-Bromo-7-nitroindole, 97%
H63939	3-(Dimethylaminomethyl)-5-nitroindole, 95%
H63120	3-Hydroxymethyl-4-nitroindole, 97%
L15762	3-Indolemethanol, 97%
L04932	3-Indoxyl acetate, 97%
A17079	3-Indoxyl sulfate potassium salt, 97%
H31982	3-Iodo-1-phenylsulfonyl-7-azaindole, 95%
H27696	3-Iodo-1-(phenylsulfonyl)indole, 95%
H66490	3-Iodoindole, 96%
H66393	3-Methylindole-2-carboxaldehyde, 97%
L03890	3-Methylindole, 98%
H27662	3-Methyloxindole, 96%
H33246	3-Phenylindole-2-carboxylic acid, 97%
H66000	3-(Trifluoroacetyl)indole, 97%
H66602	4-(1-Piperazinyl)indole, 95%
H54536	4,6-Difluoroindole, 97%
L17792	4-Aminoindole, 98%
H54963	4-(Aminomethyl)indole, 97%

H52846	4-Benzyloxy-1-Boc-indole-2-boronic acid, 97%
L17567	4-Benzyloxyindole-3-carboxaldehyde, 98%
L17147	4-Benzyloxyindole, 99%
H66535	4-Bromo-1-methyl-1H-indole, 95%
H54587	4-Bromo-7-fluoroindole, 95%
H66964	4-Bromoindole-3-carboxaldehyde, 97%
L19417	4-Bromoindole, 96%
H66637	4-Chloroindole-3-acetic acid, 95%
H66153	4-Chloroindole, 97%
H63391	4-Cyanoindole, 99%
H56011	4-Fluoroindole, 97%
H63236	4-Hydroxyindole-6-carboxylic acid, 97%
L14352	4-Hydroxyindole, 98%
H52392	4-Methoxyindole-2-carboxylic acid, 97+%

L19069	4-Methoxyindole, 99%
H63595	4-Nitroindole-3-carboxaldehyde, 96%
L09177	4-Nitroindole, 97%
H66080	4-(Trifluoromethyl)indole, 97%
H66709	5,6-Dihydroxyindole, 95%
B21091	5,6-Dimethoxy-2-phenylindole, 97%
L00733	5,6-Dimethoxyindole-2-carboxylic acid, 98%
B21126	5,6-Dimethoxyindole, 98%
B21694	5-Amino-2-methylindole, 97%
B24391	5-Aminoindole, 97%
H52540	5-Benzyloxy-1-Boc-indole-2-boronic acid, 98%
L00878	5-Benzyloxyindole-2-carboxylic acid, 97%
L01117	5-Benzyloxyindole-3-carboxaldehyde, 98%
B25143	5-Benzyloxyindole, 94%, may contain up to ca 7% toluene
H66848	5-Bromo-2-methylindole, 96%
B21034	5-Bromo-4-chloro-3-indolyl-beta-D-galactopyranoside, 98+%
H56265	5-Bromo-4-chloro-3-indolyl phosphate disodium salt, 98+%
L14923	5-Bromo-7-nitroindole, 99%

H66396	5-Bromoindole-2-carboxylic acid, 96%
H29217	5-Bromoindole-3-acetic acid, 97%
L19075	5-Bromoindole-3-carboxaldehyde, 98+%
H64834	5-Bromoindole-3-carboxylic acid, 97%
B20307	5-Bromoindole, 99%
L11189	5-Bromoindoxyl diacetate, 98+%
H50573	5-Bromooxindole, 98%
L19418	5-Bromotryptamine hydrochloride, 98%
B21036	5-Chloro-2-methylindole, 98%
A18626	5-Chloroindole-2-carboxylic acid, 98%
B24865	5-Chloroindole-3-carboxaldehyde, 98%
A13592	5-Chloroindole, 98%
A19210	5-Chlorooxindole, 98%
B24805	5-Chlorotryptamine hydrochloride, 98%
H63834	5-Cyano-3-(1-methyl-1,2,3,6-tetrahydro-4-pyridyl)indole, 97%
H66088	(5-Fluoro-2-methyl-3-indolyl)acetic acid, 97%
H66121	5-Fluoro-2-methylindole, 95%
A12794	5-Fluoroindole-2-carboxylic acid, 98+%

L17507	5-Fluoroindole-3-carboxaldehyde, 98%
A15346	5-Fluoroindole, 99%
H32176	5-Fluorooxindole, 97%
H35580	5-Hydroxy-2-methylindole, 98%
L00786	5-Hydroxyindole-2-carboxylic acid, 97%
L00858	5-Hydroxyindole, 98+%
B20638	5-Iodoindole, 98%
L19270	5-Methoxy-1-methyl-4-nitroindole-3-carboxaldehyde, 90+%
L19269	5-Methoxy-1-methylindole-3-carboxaldehyde, 98%
B21348	5-Methoxy-2-methylindole, 99+%
H63123	5-Methoxy-7-methylindole, 97%
L15137	5-Methoxyindole-2-carboxylic acid, 97%
L19073	5-Methoxyindole-3-acetic acid, 98+%
L19072	5-Methoxyindole-3-carboxaldehyde, 99%

Piperidines

Piperidines [Hexamethyleneimine; azcyclohexane; Hexahydropyridine] are six-membered saturated heterocyclic organic compounds with one nitrogen atom. Piperidine adopts two chair conformations, which rapidly interconvert through nitrogen inversion. It can be naturally obtained from black pepper, and so the name comes from Piper, the latin word for pepper.

Piperidine can be used as a solvent and a base. Piperidine is a widely used secondary amine. It is widely used to convert ketones to enamines, which can be used in the Stork enamine alkylation reaction. It is used both as a reagent and building block in several synthetic applications. A salt of piperidine with acetic acid is an excellent catalyst for many condensation reactions.

The piperidine skeleton is present in several natural alkaloids, for example, coniine, piperine, anabasine, solenopsin, lobeline, etc. In addition to other applications, it can be used in chemical degradation reactions, such as the sequencing of DNA in the cleavage of particular modified nucleotides. Piperidine is widely used as an excellent base for quantitative deprotection of Fmoc group from peptides in solid-phase peptide synthesis.

H27719	1,1'-(Azodicarbonyl)dipiperidine, 97%
H27111	1-(1-Boc-3-azetidinyl)pyrrolidine, 94%
L00335	1-(1-Cyclohexen-1-yl)piperidine, 97%
H27624	1-(1-Methyl-4-piperidinyl)piperazine, 98%
H50842	1-[2-(1-Piperazinyl)nicotinoyl]piperidine
H27729	1,2,2,6,6-Pentamethylpiperidine, 97%
A18373	1-(2-Aminoethyl)piperidine, 98%
H60206	1-(2-Bromophenylsulfonyl)-3-methylpiperidine, 97%
B22985	1-(2-Chloroethyl)piperidine hydrochloride, 98%
H50841	1-(2-Chloronicotinoyl)piperidine, 97%
H63267	1-(2-Fluoro-4-nitrophenyl)piperidine, 97%
H56532	1-(2-Fluorobenzoyl)-4-methylpiperidine, 97%
B23816	1-(2-Hydroxyethyl)piperidine, 99%
B25116	1-(2-Nitrophenyl)piperidine, 98%

H50351	1-(2-Pyrimidinyl)piperidine-4-carboxylic acid, 95%
H66330	1-(2-Thienyl)piperidine, 98%
H50930	1-[3-(1-Pyrrolidinylcarbonyl)-2-pyridyl]piperazine
L20442	1,3-Bis(4-piperidinyl)propane, 97+%
B22028	1,4'-Bipiperidine, 99%
H65315	1-(4-Boc-1-piperidinyl)-4-bromopyrazole, 98%
H57102	1-(4-Bromophenyl)piperidine, 97%
H63732	1-(4-Chloro-2-nitrophenyl)piperidine, 97%
H50852	1-(4-Piperidinyloxy)acetylpyrrolidine, 98%
H33058	1-Acetyl-4-(2',4'-difluorobenzoyl)piperidine, 96%
H33989	1-Acetyl-4-(5-fluoro-2-hydroxybenzoyl)piperidine, 96%
H30389	1-Acetyl-4-aminopiperidine hydrochloride, 97%
H50763	1-Acetyl-4-(isobutylamino)piperidine, 98%
H50973	1-Acetyl-4-(isopropylamino)piperidine, 98%
H50985	1-Acetyl-4-(methylamino)piperidine
H50972	1-Acetyl-4-(n-propylamino)piperidine, 99%
L18426	1-Acetylpiperidine-4-carbonyl chloride, 97%, may contain up to ca 1M free HCl
A15606	1-Acetylpiperidine-4-carboxylic acid, 98+%
L14078	1-Aminopiperidine, 97%

L12378	1-Benzoylpiperidine, 98%
L16375	1-Benzyl-3-hydroxypiperidine, 99%
H27865	1-Benzyl-4-(2-hydroxyethyl)piperidine, 96%
H26004	1-Benzyl-4,4-difluoropiperidine, 95%
H27411	1-Benzyl-4-cyano-4-phenylpiperidine hydrochloride, 99%
L07472	1-Benzyl-4-ethoxycarbonyl-3-piperidone hydrochloride, tech. 90%
A10932	1-Benzyl-4-hydroxypiperidine, 97%
H27606	1-Benzyl-4-(methylamino)piperidine, 98%
H64471	1-Benzyloxycarbonyl-3-piperidone, 97+%
L19339	1-Benzylpiperidine, 98%
H66977	1-Boc-2-cyanopiperidine, 96%
H54338	(±)-1-Boc-2-(hydroxymethyl)piperidine, 97%
H66164	1-Boc-3-cyanopiperidine, 96%
H52784	(±)-1-Boc-3-(hydroxymethyl)piperidine, 97%
L17600	1-Boc-3-hydroxypiperidine, 97%
H52773	1-Boc-3-(methylamino)piperidine, 97%
H50987	1-Boc-4-(1-pyrrolidinyl)piperidine, 97%

H27580	1-Boc-4-cyanopiperidine, 96%
L19275	1-Boc-4-hydroxypiperidine, 98%
H34090	1-Boc-4-iodopiperidine, 95%
H52576	1-Boc-4-(methylamino)piperidine, 97%
H26650	1-Boc-4-piperidinemethanol, 97%
H32102	(1-Boc-4-piperidinyloxy)acetic acid, 95%
L13361	1-Boc-4-piperidone, 99%
H33929	1-Boc-4-(p-toluenesulfonyloxymethyl)piperidine, 96%
H52416	1-Boc-D-nipecotic acid, 97%
L17527	1-Boc-isonipecotic acid, 98+%
B25393	1-Boc-isonipecotic acid ethyl ester, 97+%
H52575	1-Boc-L-nipecotic acid, 97%
H52571	1-Boc-piperidine-3-carboxaldehyde, 97%
H52813	1-Boc-piperidine-4-carboxaldehyde, 97%
L17476	1-Boc-piperidine, 98%
B20532	1-(Cyanoacetyl)piperidine, 98%
A12464	1-Cyanomethylpiperidine, 98%
L07897	1-Cyclohexylpiperidine, 97%

A16294	1-Ethylpiperidine, 99%
H63915	1-Fmoc-piperidine-4-carboxylic acid, 98%
B23452	1-Formylpiperidine, 99%
H50913	1-Isobutyryl-4-(methylamino)piperidine, 98%
H50914	1-Isovaleryl-4-(methylamino)piperidine, 98%
H27408	1-Methyl-4-(4-piperidinyl)piperazine, 98%
B22187	1-Methylpiperidine-2-methanol, 97%
B25197	1-Methylpiperidine-3-methanol, 95%
H33083	1-Methylpiperidine-4-carboxylic acid hydrochloride, 96%
H32261	1-Methylpiperidine-4-methanol, 97%
L03398	1-Methylpiperidine, 99%
H51004	1-Oxo-3-phenyl-1-(1-piperidinyl)-(2S)-propylamine
H53435	1-Phenyl-1-[4-(1-piperidinyl)phenyl]-2-propyn-1-ol, 97%
L01469	1-Piperidinepropionitrile, 98+%
H50741	2-(1-Benzyl-4-piperidinyloxy)-N-methylacetamide, 98%
H50857	2-(1-Benzyl-4-piperidinyloxy)-N,N-dimethylacetamide
H32069	2-(1-Boc-4-piperidinyloxy)-N-cyclopropylacetamide, 96%
H32990	2-(1-Boc-4-piperidinyloxy)-N-methylacetamide, 96%

H32708	2-(1-Boc-4-piperidinyloxy)-N,N-dimethylacetamide, 96%
H50723	2-(1-Piperidinyl)-5-(trifluoromethyl)aniline
H50656	2-(1-Piperidinyl)acetamidoxime, 97%
A13073	2-(1-Piperidinyl)aniline, 98%
A11784	2-(1-Piperidinyl)benzonitrile, 97%
L09463	2-(1-Piperidinyl)ethyl isothiocyanate, 97%
L07630	2-(1-Piperidinyl)phenol, 98%
A18712	2,2,6,6-Tetramethylpiperidine, 98+%
H26042	2-(3-Piperidinyl)azepane, tech. 90%
H51009	2-[4-(4-Piperidinyloxy)phenyl]acetamide, 99%
H54203	2-[4-(Boc-amino)-1-piperidinyl]pyridine-5-boronic acid pinacol ester, 96%
H50928	2-(4-Piperidinyloxy)acetamide, 99%
H50961	2-(4-Piperidinyloxy)benzonitrile, 98%
H50865	2-(4-Piperidinyloxy)-N-propylacetamide, 95%

H50925	N-Ethyl-2-(3-piperidinyloxy)acetamide, 95%
H50906	N-Ethyl-2-(4-piperidinyloxy)acetamide, 98%
H50933	N-Ethyl-N-methyl-2-(4-piperidinyloxy)acetamide, 98%
H57178	N-Fmoc-DL-pipecolic acid, 96+%
H57457	N-Fmoc-D-pipecolic acid, 96+%
H51981	N-Fmoc-L-pipecolic acid, 95%
B24723	Nipecotic acid, 98%
H50955	N,N-Dimethyl-2-(4-piperidinyloxy)benzamide, 99%
H33455	N,N-Dimethyl-3-piperidinemethylamine dihydrochloride, 95%
H27522	N-Phenyl-N-(4-piperidinyl)propionamide, 98%
H50934	N-tert-Butyl-2-(4-piperidinyloxy)acetamide, 98%
H54053	Piperidine-1-sulfonyl chloride, 97%
H58601	Piperidine-4-thiocarboxamide, 97%
A12442	Piperidine, 99%
A13243	Piperidine hydrochloride, 99%
H33373	(Piperidinium-1-ylmethyl)trifluoroborate internal salt, 95%
A13510	Piperine, 98%
H51181	Potassium 3-(1-piperidinylcarbonyl)phenyltrifluoroborate, 96%

H51146	Potassium 4-(1-piperidinylcarbonyl)phenyltrifluoroborate, 97%
H51895	Potassium 4-(1-piperidinylmethyl)phenyltrifluoroborate, 95%
H52559	(R)-(-)-1-Boc-3-(hydroxymethyl)piperidine, 97%
H52556	(R)-1-Boc-3-hydroxypiperidine, 97%
H66328	(R)-(+)-1-Fmoc-4-oxopiperidine-2-carboxylic acid, 97%
H25909	(R)-(+)-2-(Boc-aminomethyl)-4,4-diethoxypiperidine fumarate
H52425	(R)-3-Amino-1-benzylpiperidine, 97%
H26937	(R)-(-)-3-Amino-1-Boc-piperidine, 98%
H52561	(R)-3-Aminomethyl-1-Boc-piperidine, 97%
H52749	(R)-3-(Boc-amino)piperidine, 97%
H56847	(R)-(+)-3-Hydroxypiperidine hydrochloride, 98%
L18658	(R)-(-)-N-Isopropyl-1-phenyl-2-(1-piperidinyl)ethylamine, 95%
L18659	(R)-(-)-N-Neopentyl-1-phenyl-2-(1-piperidinyl)ethylamine, 97%
H37974	Ropivacaine, 97%
H30615	(S)-(+)-1-Benzyl-3-hydroxypiperidine, 97%
H52435	(S)-1-Boc-3-(hydroxymethyl)piperidine, 97%
H52771	(S)-1-Boc-3-hydroxypiperidine, 97%
H66618	(S)-(+)-1-Boc-3-(methylamino)piperidine, 96%

H66428	(S)-(-)-1-Fmoc-4-oxopiperidine-2-carboxylic acid, 97%
H50829	(S)-1-(Phenylsulfonyl)pipecolinic acid
H25907	(S)-(-)-2-(Boc-aminomethyl)-4,4-diethoxypiperidine fumarate
H52772	(S)-3-Amino-1-benzylpiperidine, 97%
H30538	(S)-(+)-3-Amino-1-Boc-piperidine, 97%
H52822	(S)-3-Aminomethyl-1-Boc-piperidine, 97%
H27700	(S)-(+)-3-Aminopiperidine dihydrochloride, 98%
H26957	(S)-3-(Boc-amino)piperidine, 97%
A12733	TEMPO, free radical, 98+%
H52564	trans-1-Boc-4-bromo-3-hydroxypiperidine, 97%

Pyrazoles

Pyrazoles (also known as 1,2-diazoles) are heterocyclic aromatic organic compounds. It is a 5-membered ring of three carbon atoms and two adjacent nitrogen atoms. Pyrazoles unsubstituted at the 1-position show NH- acidity and therefore react with electrophiles. Pyrazole is basic in nature, and its pKa value is 14.21, similar to that of imidazole. Pyrazole rings are very resistant to most oxidizing agents but hydrogenation in the presence of a reductive metal catalyst easily converts pyrazole into pyrazoline. The combined two N-atoms reduce the charge density at the 3- and 5-positions, permitting electrophilic substitutions mainly at the 4-position.

H27783	1-(2-Tetrahydropyranyl)-1H-pyrazole-4-boronic acid neopentyl glycol ester, 95%
H27036	1-(2-Tetrahydropyranyl)-1H-pyrazole-5-boronic acid pinacol ester, 95%
H64246	1-(2-Tetrahydropyranyl)-1H-pyrazole, 98%
H64012	1-(2-Tetrahydropyranyl)-3-(trifluoromethyl)-1H-pyrazole-5-boronic acid, 95%
H27043	1-(2-Trimethylsilylethoxy)methyl-1H-pyrazole-5-boronic acid pinacol ester, 95%
H32930	1,3,5-Trimethyl-1H-pyrazole-4-boronic acid pinacol ester, 95%
H50225	1,3,5-Trimethyl-1H-pyrazole-4-carboxaldehyde, 98%
A12504	1,3,5-Trimethyl-1H-pyrazole, 98%
H31954	1-(3-Pyridylmethyl)-1H-pyrazole-4-boronic acid pinacol ester
H65315	1-(4-Boc-1-piperidinyl)-4-bromopyrazole, 98%
H50307	1-(4-Fluorophenyl)-1H-pyrazole-4-carboxaldehyde, 99%
H27369	1-(4-Nitrophenyl)-5-(trifluoromethyl)-1H-pyrazole-4-carboxylic acid, 97%
H33424	1-(4-Trifluoromethyl-2-pyrimidinyl)-1H-pyrazole-4-sulfonyl chloride, 95%
H64475	1,5-Dimethyl-1H-pyrazole-3-carboxylic acid, 98%
H34430	1-(5-Trifluoromethyl-2-pyridyl)-1H-pyrazole-4-sulfonyl chloride, 95%
H53493	1-Allyl-3,5-dimethyl-1H-pyrazole, 97%
H59357	1-Benzenesulfonyl-4-bromo-1H-pyrazole, 97%
H27829	1-Chloroacetyl-3-pyrazolidinone, 97%

L08369	1-Cyanoacetyl-3,5-dimethyl-1H-pyrazole, 97%
H66672	1-Cyclopropyl-1H-pyrazole-4-boronic acid pinacol ester, 97%
A11561	1-Ethyl-3-methyl-1H-pyrazole-5-carboxylic acid, 97%
H60631	1H-Pyrazole-1-carboxamidine hydrochloride, 99%
H30607	1H-Pyrazole-1-(N-methylcarboxamidine) hydrochloride, 96%
L06731	1H-Pyrazole-3,5-dicarboxylic acid monohydrate, 98%
H27286	1H-Pyrazole-3-boronic acid hydrate, 95%
H27619	1H-Pyrazole-3-boronic acid pinacol ester, 95%
B25732	1H-Pyrazole-3-carboxylic acid, 97%
L19654	1H-Pyrazole-4-boronic acid pinacol ester, 98%
H25783	1H-Pyrazole-4-carboxylic acid, 97%
A14186	1H-Pyrazole, 98%
H50317	1-Methyl-1H-pyrazole-3-carboxylic acid, 96%
H53139	1-Methyl-1H-pyrazole-4-boronic acid pinacol ester, 97%
H54146	1-Methyl-1H-pyrazole-4-carboxaldehyde, 96%
H54785	1-Methyl-1H-pyrazole-4-sulfonyl chloride, 97%
H27703	1-Methyl-1H-pyrazole-5-boronic acid neopentyl glycol ester, 95%
H27094	1-Methyl-1H-pyrazole-5-boronic acid pinacol ester, 98%
H32874	1-Methyl-1H-pyrazole-5-carboxylic acid, 97%

L14831	1-Methyl-1H-pyrazole, 97+%
L05425	1-Methyl-3-n-propyl-2-pyrazolin-5-one, 97%
H61516	1-Methyl-3-trifluoromethyl-1H-pyrazole, 98%
A11890	1-Methyl-3-trifluoromethyl-2-pyrazolin-5-one, 96%
H63695	1-Phenyl-1H-pyrazole-4-carboxaldehyde, 98%
H50305	1-Phenyl-1H-pyrazole-4-carboxylic acid, 99%
A14270	1-Phenyl-1H-pyrazole, 98%
B20478	1-Phenyl-3-trifluoromethyl-2-pyrazolin-5-one, 98%
H26954	1-Phenylsulfonyl-1H-pyrazole-4-boronic acid pinacol ester, 95%
H32914	1-Phenylsulfonylpyrazole, 95%
H50480	1-tert-Butyl-3,5-dimethyl-1H-pyrazole-4-carboxaldehyde, 95%
H50670	2-(1H-Pyrazol-3-yl)pyridine, 98%
H50333	2-(3,5-Dimethyl-1H-pyrazol-1-yl)ethylamine, 97%

H33201	3-(1H-Pyrazol-3-yl)pyridine, 95%
H50637	3-(2,4-Dimethoxyphenyl)-1H-pyrazole, 98%
H50636	3-(2,5-Dimethoxyphenyl)-1H-pyrazole
H34406	3-(2-Bromophenyl)-1H-pyrazole, 97%
H33450	3-(2-Fluorophenyl)-1H-pyrazole, 98%
H33472	3-(2-Furyl)-1H-pyrazole, 97%
H34492	3-(2-Methoxyphenyl)-1H-pyrazole, 97%
H26132	3-(3,5-Difluorophenyl)-1H-pyrazole-4-carboxaldehyde, 98%
H50438	3-(3-Bromophenyl)-1H-pyrazole, 98%
H50435	3-(3-Methoxyphenyl)-1H-pyrazole, 97%
H32498	3-(3-Nitrophenyl)-1H-pyrazole, 97%
A12031	3,4,5-Tribromo-1H-pyrazole, 97%
H33227	3-(4-Bromophenyl)-1H-pyrazole, 97%
H50660	3-(4-Chlorostyryl)-1H-pyrazole
H37099	3,4-Dimethyl-1H-pyrazole, 97%
H32944	3-(4-Fluorophenyl)-1H-pyrazole-4-carboxaldehyde, 97%
H34355	3-(4-Fluorophenyl)-1H-pyrazole, 97%
H31744	3-(4-Methoxyphenyl)-1H-pyrazole-4-carboxaldehyde, 97%

H50459	3-(4-Methylphenyl)-1H-pyrazole-4-carboxaldehyde, 97%
H32332	3-(4-Nitrophenyl)-1H-pyrazole, 97%
H32726	3,5-Dimethyl-1-(2-tetrahydropyranyl)-1H-pyrazole-4-boronic acid neopentyl glycol ester, 95%
H32478	3,5-Dimethyl-1-(2-tetrahydropyranyl)-1H-pyrazole-4-boronic acid pinacol ester, 95%
A14523	3,5-Dimethyl-1H-pyrazole-1-carboxamide, 98+%
H54050	3,5-Dimethyl-1H-pyrazole-4-sulfonyl chloride, 97%
A10157	3,5-Dimethyl-1H-pyrazole, 99%
L04904	3,5-Diphenyl-1H-pyrazole, 98+%
H66022	3-Amino-1-(2,4,6-trichlorophenyl)-5-pyrazolone , 97%
H32252	3-Amino-1-(4-chlorophenyl)-1H-pyrazole, 95%
H32918	3-Amino-1-(4-methoxyphenyl)-1H-pyrazole, 95%
A14266	3-Amino-1H-pyrazole-4-carbonitrile, 98%
L06521	3-Amino-1H-pyrazole-4-carboxamide hemisulfate, 97%
B23751	3-Amino-1H-pyrazole-4-carboxylic acid, 95%
A14458	3-Amino-1H-pyrazole, 97+%
H30935	3-Amino-1-methyl-1H-pyrazole, 97%
H66066	3-Amino-2-pyrazoleethanol, 96%
L06476	3-Amino-4,5-dihydro-1-phenyl-1H-pyrazole, 98+%

A11012	3-Amino-4-bromo-1H-pyrazole, 97%
B21592	3-Amino-4-bromo-1-methyl-1H-pyrazole, 97+%
A10621	3-Amino-4-bromo-5-phenyl-1H-pyrazole, 96%
H63199	3-Amino-4-ethyl-1H-pyrazole, 98%
H25895	3-Amino-4-phenyl-1H-pyrazole, 95%
L11721	3-Amino-5-(2-furyl)-1H-pyrazole, 97%
H50880	3-Amino-5-cyclobutyl-1H-pyrazole, 97%
H50898	3-Amino-5-cyclopropyl-1H-pyrazole, 96%
H50782	3-Amino-5-ethyl-1H-pyrazole, 97%
H51026	3-Amino-5-ethyl-1H-pyrazole hydrochloride, 98%
A11412	3-Amino-5-hydroxy-1H-pyrazole, 98%
H51110	3-Amino-5-isopropyl-1H-pyrazole hydrochloride
A11642	3-Amino-5-methyl-1H-pyrazole, 97%
B20991	3-Amino-5-methylthio-1H-pyrazole-4-carbonitrile, 97%

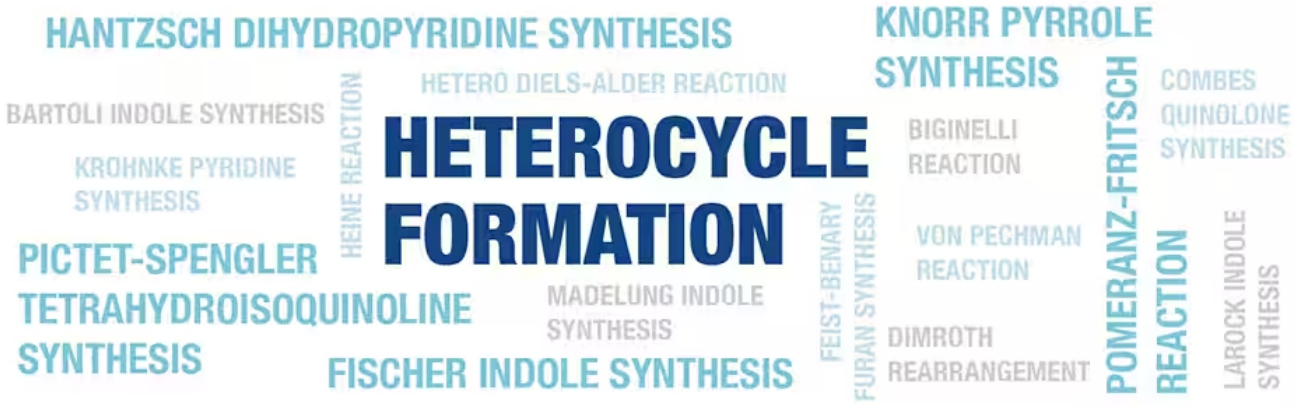
L17859	Benzyl 5-amino-1H-pyrazole-4-carboxylate, 98+%
A14308	Bispyrazolone, 98+%
H27506	Ethyl 1-(4-nitrophenyl)-5-(trifluoromethyl)-1H-pyrazole-4-carboxylate, 97%
B25351	Ethyl 1H-pyrazole-4-carboxylate, 98%
H25791	Ethyl 3-(2-furyl)-1H-pyrazole-5-carboxylate, 98%
A10882	Ethyl 3-amino-1H-pyrazole-4-carboxylate, 99%
A12304	Ethyl 3-methyl-1H-pyrazole-5-carboxylate, 97%
H50678	Ethyl 3-tert-butyl-1H-pyrazole-5-carboxylate, 97%
A13609	Ethyl 3-trifluoromethyl-1H-pyrazole-4-carboxylate, 97%
H33599	Ethyl 3-trifluoromethyl-1H-pyrazole-5-carboxylate, 97%
H34065	Ethyl 4-bromo-5-(trifluoromethyl)-1H-pyrazole-3-carboxylate, 97%
H34460	Ethyl 4-cyano-1H-pyrazole-5-carboxylate, 95%
A11534	Ethyl 5-amino-1-methyl-1H-pyrazole-4-carboxylate, 98%
A13296	Ethyl 5-amino-1-phenyl-1H-pyrazole-4-carboxylate, 98%
H26079	Ethyl 5-amino-3-methyl-1H-pyrazole-4-carboxylate, 97+%
L17687	Ethyl 5-n-propyl-1H-pyrazole-3-carboxylate, 98%
H34148	Methyl 1H-pyrazole-3-carboxylate, 97%
H36130	Methyl 5-methyl[1H]pyrazole-3-carboxylate, 96%

	H59437	Methyl pyrrole-2-carboxylate, 97%
	H54782	N-Benzyloxycarbonyl-1H-pyrazole-1-carboxamidine, 98+%
	H54394	N-Boc-1H-pyrazole-1-carboxamidine, 98+%
	H54092	N,N'-Bis(benzyloxycarbonyl)-1H-pyrazole-1-carboxamidine, 98+%
	H54565	N,N'-Di-Boc-1H-pyrazole-1-carboxamidine, 98+%
	L03449	Phenylbutazone, 98%
	A10836	Picrolonic acid, 98+%
	H32128	Potassium pyrazole-5-trifluoroborate, 95%

Pyridazines

Pyridazines (also known as 1,2-diazine, orthodiazine, or oizine) are six-membered heterocylic aromatic organic compounds with two nitrogen atoms which are adjacent to each other. It is isomeric with pyrimidine and pyrazine. The diazines are essentially mono-basic substances and weaker bases than pyridine. The unsubstituted pyridazines are more resistant to eletrophilic substitution due to the nature of withdrawal of electron density from the ring by two heteroatoms, while the related electron deficiency of the ring makes pyridazine more easily attacked by nucleophiles.

Pyridazine compounds have attracted interest in various fields like medicinal, industrial, and agricultural research as they are used for numerous biological activities and other applications. Specifically, the pyridazine moiety is an important structural feature of various pharmacologically important compounds with activities like antimicrobial, analgesic, anti-inflammatory, antiplatelet, anticancer, antisecretory, antiulcer, antidepressant, neuroleptic, sedative-hypnotic, anticonvulsant, immunosuppressant, cardiotonic, vasodilator, antiarrhythmic, and hypocholesterolaemic. These activities depend upon the changes of substituted groups in the pyridazine ring system resulting in different biological activities. In addition, the natural pyrimidine bases uracil, thymine, and cytosine, which are constituents of the nucleic acids, are found to be the most important naturally occurring diazines.



H55334	3(2H)-Pyridazinone, 96%
H61223	3,6-Dibromopyridazine, 95%
A19998	3,6-Dichloro-4-methylpyridazine, 97%
L10418	3,6-Dichloropyridazine-4-carboxylic acid, 98%
A14795	3,6-Dichloropyridazine, 98%
H54662	3-(6-Oxo-1,6-dihydro-3-pyridazinyl)benzonitrile, 97%
A10185	3-Amino-6-chloropyridazine, 98%
H64859	3-Aminopyridazine, 97%
H50499	3-Chloro-6-(4-methylphenyl)pyridazine, 99%
L06121	3-Chloro-6-hydrazinopyridazine, 98%
H63879	3-Chloro-6-iodopyridazine, 95%
A14173	3-Chloro-6-methoxypyridazine, 97%
A13480	3-Chloro-6-methylpyridazine, 97%
H33568	3-Cyanopyridazine, 97%

A15994	4,5-Dibromo-3(2H)-pyridazinone, 98%
B25651	4,5-Dichloro-2-(3,5-dichlorophenyl)-3(2H)-pyridazinone, 97%
L07413	4,5-Dichloropyridazin-3(2H)-one, 97+%
B24520	4,5-Dihydro-6-methylpyridazin-3(2H)-one monohydrate, 99%
H66461	4-Acetylpyridazine, 95%
L09749	4-Methylpyridazine, 99%
H50588	6-(4-Bromophenyl)-4,5-dihydro-3(2H)-pyridazinone, 98%
H61837	6-Chloro-3(2H)-pyridazinone, 98%
A14471	6-Methyl-3(2H)-pyridazinone, 98%
B20289	6-Oxo-1,4,5,6-tetrahydropyridazine-3-carboxylic acid, 97%
H27449	Methyl pyridazine-4-carboxylate, 96%
H34341	Pyridazine-3-carboxylic acid, 97%
H27246	Pyridazine-4-carboxylic acid, 97%
A13266	Pyridazine, 98+%
H33207	Tetrafluoropyridazine, 97%

Pyrrolidines

Pyrrolidine (also known as tetrahydropyrrole, azolidine, and azacyclopentane) is a five-membered saturated heterocyclic organic compound containing four carbon atoms and one nitrogen atom in the ring. The pyrrolidine ring is present as a core skeleton in some natural amino acids like L-proline and L-hydroxyproline. Pyrrolidines are better nucleophiles than diethylamine, principally because of the less hindered lone pair. The pKa value of pyrrolidine, 11.27 is typical of amine bases. Pyrrolidines are very reactive towards aldehydes and ketones, forming enamines through a nucleophilic addition reaction.

Pyrrolidine is present as a core structure in various drugs, and these drugs have received interest due to their wide range of promising biological activities like antitumor, analgesic, anti-inflammatory, antimicrobial, antioxidant, and antihistaminic activities. The pyrrolidine ring is present in carbepenem antibiotics like meropenem and ertapenem. Chiral pyrrolidines play a significant role both as chiral building blocks for auxiliaries as well as key structures relevant to biologically active substances. The pyrrolidine ring has also been found in many natural alkaloids such as nicotine, cuscohygrine, benzoylecgonine, ecgonidine, ecgonine, dihydrocuscohygrine, and hygrine.

H60942	1,1'-Carbonyldipyrrolidine, 98%
B25622	1-(1-Cyclohexen-1-yl)pyrrolidine, 97%
H50692	1-[2-(1-Pyrrolidinyl)ethyl]piperazine, 97%
B24645	1-(2-Aminoethyl)pyrrolidine, 99%
H56693	1-(2-Chlorobenzoyl)pyrrolidine, 97%
B22236	1-(2-Chloroethyl)pyrrolidine hydrochloride, 98%
H56339	1-(2-Fluorobenzoyl)pyrrolidine, 97%
L04739	1-(3-Aminopropyl)pyrrolidine, 97%
H57610	1-(4-Bromobenzoyl)pyrrolidine, 97%
H32890	1-(4'-Methoxy-4-biphenylylsulfonyl)-L-proline, 96%
H56035	1-(4-Methoxyphenylsulfonyl)pyrrolidine, 97%
H56037	1-(4-Methylbenzoyl)pyrrolidine, 97%
H50852	1-(4-Piperidinyloxy)acetylpyrrolidine, 98%
H51001	1-Acetyl-3-ethylaminopyrrolidine, 99%

H50846	1-Acetyl-3-(isobutylamino)pyrrolidine
H27583	1-Benzyloxycarbonyl-(2S,4R)-2-cyano-4-fluoropyrrolidine, 97%
H66676	1-Benzyloxycarbonyl-3-bromopyrrolidine, tech. 90%
H28117	1-Benzyloxycarbonylpyrrolidine-3-carboxaldehyde, 97%
H64728	1-(Benzyloxycarbonyl)pyrrolidine-3-carboxylic acid, 97%
H28650	(±)-1-Boc-2-(aminomethyl)pyrrolidine, tech. 85%
H27422	1-Boc-3,3-difluoropyrrolidine, 98%
H28674	1-Boc-3-(aminomethyl)pyrrolidine, 95%
H29231	(±)-1-Boc-3-aminopyrrolidine, 96%
H57071	(±)-1-Boc-3-bromopyrrolidine, 95%
H50082	1-Boc-3-cyanopyrrolidine, 99%
H28750	(±)-1-Boc-3-hydroxypyrrolidine, 97%
H50987	1-Boc-4-(1-pyrrolidinyl)piperidine, 97%
H50086	1-Boc-4-(methoxycarbonyl)pyrrolidine-3-carboxylic acid, 96%
H55419	1-Boc-L-prolinamide, 97%
H32786	(±)-1-Boc-pyrrolidine-2-methanol, 98%
H26222	1-Boc-pyrrolidine-3-boronic acid diethanolamine ester, 97%
H50081	1-Boc-pyrrolidine-3-carboxamide, 96%
H50080	1-Boc-pyrrolidine-3-carboxylic acid, 99%

L17475	1-Boc-pyrrolidine, 98%
H50791	1-Boc-(R)-3-(2-methoxyethoxy)pyrrolidine, 95%
H50979	1-Boc-(R)-3-ethoxypyrrolidine, 95%
H54247	1-(Chloro-1-pyrrolidinylmethylene)pyrrolidinium hexafluorophosphate, 98%
A12523	1-(Cyanoacetyl)pyrrolidine, 98+%
H66050	1-Ethyl-1-methylpyrrolidinium bromide, 98%
B25251	1H-Benzotriazol-1-yloxytri(1-pyrrolidinyl)phosphonium hexafluorophosphate, 98%
B23799	1-Methylpyrrolidine, 98%
H27177	1-n-Butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide, 98%
L05239	1-Phenylpyrrolidine, 98+%
L01737	1-Pyrrolidineacetonitrile, 97%
B23731	1-Pyrrolidinecarbodithioic acid ammonium salt, 98%
L13396	1-Pyrrolidinecarbonyl chloride, 97%
L01818	1-Pyrrolidinepropionitrile, 97%
H34178	(1S,2R)-1-Phenyl-2-(1-pyrrolidinyl)-1-propanol hydrochloride 97+%
H61800	2-(1-Naphthyl)pyrrolidine, 95%
L08178	2-(1-Pyrrolidinyl)phenol, 98%

H27190	2-(1-Pyrrolidinyl)pyridine-3-boronic acid pinacol ester, 95%
H52694	2-(1-Pyrrolidinylsulfonyl)benzeneboronic acid, 97%
A17667	2,2,5,5-Tetramethyl-3-pyrrolin-1-oxyl-3-carboxylic acid N-hydroxysuccinimide ester, 98+%
H61699	2-(2-Fluorophenyl)pyrrolidine, 95%
H50176	2-(2-Pyrrolidinyl)pyridine, 96%
H50182	2-(2-Pyrrolidinyl)thiazole, 97%
H50179	2-(2-Thienyl)pyrrolidine, 97%
H61851	2-(4-Chlorophenyl)pyrrolidine, 95%
H50177	2-(5-Chloro-2-thienyl)pyrrolidine, 99%
H51958	2-(5-Methyl-2-thienyl)pyrrolidine hydrochloride, 99%
L15407	2-Bromo-4'-(1-pyrrolidinyl)acetophenone, 97%
H55316	2-Chloro-4-(1-pyrrolidinylcarbonyl)benzeneboronic acid, 97%
H50774	2-Chloro-4-(4-piperidinyloxy)benzonitrile, 98%
H53346	2-Fluoro-5-(1-pyrrolidinylcarbonyl)benzeneboronic acid, 98%
H51038	2-Methyl-2-phenylsuccinimide, 99%
H52881	2-Methyl-5-(-1-pyrrolidinylsulfonyl)benzeneboronic acid, 98%
31902	2-Methylpyrrolidine, 97%
H66260	(2-Oxo-1-pyrrolidinyl)acetic acid, 97%

H27321	(2S,4S)-1-Boc-4-diphenylphosphino-2-(diphenylphosphinomethyl)pyrrolidine
L13538	2-Succinimido-1,1,3,3-tetramethyluronium tetrafluoroborate, 98%
H25852	(±)-2-(Trifluoromethyl)pyrrolidine, 95%
H50838	3-(1-Piperazinyl)-6-(1-pyrrolidinyl)pyridazine, 99%
H52607	3-(1-Pyrrolidinylcarbonyl)benzeneboronic acid, 97%
H28801	3-(1-Pyrrolidinylcarbonyl)benzeneboronic acid pinacol ester, 97%
H63840	3-(1-Pyrrolidinylmethyl)indole, 95%
H52717	3-(1-Pyrrolidinylsulfonyl)benzeneboronic acid, 97%
H52876	3-[2-(1-Pyrrolidinyl)ethylcarbamoyl]benzeneboronic acid hydrochloride, 98%
H50784	3-(2-Methylphenoxy)pyrrolidine, 95%
H26049	3-(2-Pyrrolidinyl)piperidine, 94%
L19780	3,3-Difluoropyrrolidine hydrochloride, 98%
H28525	(±)-3-Amino-1-(benzyloxycarbonyl)pyrrolidine
H50769	3-Benzyloxypyrrolidine, 96%
H52414	(±)-3-(Boc-amino)pyrrolidine, 97%
H66250	3-Bromo-1-methylpyrrolidine, 97%
H66833	3-Bromopyrrolidine hydrobromide, 96%
H52949	3-Chloro-4-(1-pyrrolidinylcarbonyl)benzeneboronic acid, 95%

H53183	3-Fluoro-4-(1-pyrrolidinylcarbonyl)benzeneboronic acid, 98%
H54634	3-Fluoro-5-(1-pyrrolidinylcarbonyl)benzeneboronic acid, 97%
H28122	3-Hydroxy-1-methylpyrrolidine, 97%
H64975	(±)-3-Hydroxypyrrolidine hydrochloride, 98%
H27329	3-Maleimidopropionic acid N-hydroxysuccinimide ester, 99%
H51664	3-Methyl-5-(3-pyrrolidinyl)-1,2,4-oxadiazole hydrochloride
B22364	3-Nitro-4-(1-pyrrolidinyl)benzaldehyde, 97%
H53148	3-Nitro-5-(1-pyrrolidinylcarbonyl)benzeneboronic acid, 98%
L16349	3-Pyrroline, 94%
L12567	(3R)-(+)-3-Acetamidopyrrolidine, 98%
L12927	(3S)-(-)-3-Acetamidopyrrolidine, 98%
H50323	4-(1-Pyrrolidinyl)-1-butylamine, 98%
L15408	4'-(1-Pyrrolidinyl)acetophenone, 98+%
L00966	4-(1-Pyrrolidinyl)benzaldehyde, 98+%

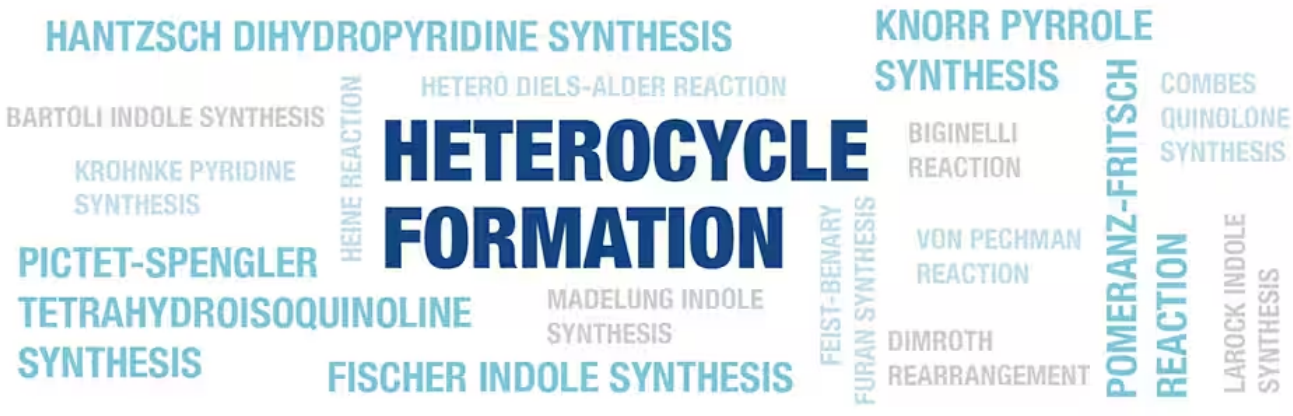
H62886	(S)-1-Benzyloxycarbonyl-5-oxopyrrolidine-2-carboxylic acid, 98%
H57150	(S)-(-)-1-Boc-2-cyanopyrrolidine, 95%
H66359	(S)-(+)-1-Boc-3-(aminomethyl)pyrrolidine, 97%
L19696	(S)-(-)-1-Boc-3-aminopyrrolidine, 95%
H66889	(S)-(+)-1-Boc-3-fluoropyrrolidine, 96%
L19691	(S)-(+)-1-Boc-3-hydroxypyrrolidine, 99%, ee 99%
L19695	(S)-(+)-1-Methyl-3-hydroxypyrrolidine, 98%
H52175	(S)-2-(1-Boc-2-pyrrolidinyl)acetic acid, 95%
H52727	(S)-2-Aminomethyl-1-Boc-pyrrolidine, 97%
H57137	(S)-(-)-2-Aminomethyl-1-ethylpyrrolidine, 95%
L09608	(S)-(+)-2-(Methoxymethyl)pyrrolidine, 98%
H52729	(S)-2-Methylpyrrolidine p-toluenesulfonate, 97%
H25854	(S)-(+)-2-(Trifluoromethyl)pyrrolidine, 95%
H58138	(S)-(+)-3-Amino-1-(benzyloxycarbonyl)pyrrolidine, 96%
L12222	(S)-(+)-3-Aminopyrrolidine dihydrochloride, 98%
H51729	(S)-(-)-3-(Boc-amino)pyrrolidine, 98%
L19693	(S)-(-)-3-(Boc-amino)pyrrolidine, 99%, ee 99%
H30661	(S)-(-)-3-Dimethylaminopyrrolidine dihydrochloride, 97%

	H27536	(S)-(+)-3-Fluoropyrrolidine hydrochloride, 97%
	H52815	(S)-3-Hydroxypyrrolidine hydrochloride, 97%
	L09217	(S)-(-)-alpha,alpha-Diphenylprolinol, 98%
	H34160	(S)-Benzyl 1-[(S)-2-benzyloxycarbonylamino-6-(2,2,2-trifluoroacetamido)hexanoyl]pyrrolidine-2-carboxylate, 95%
	A12398	(S)-(-)-Nicotine, 99%
	H50785	(S)-N-Methyl-4-(3-pyrrolidinyloxy)benzamide, 98%
	H51014	(S)-N-Propyl-4-(3-pyrrolidinyloxy)benzamide, 99%
	H52129	(±)-trans-4-(2-Pyridyl)pyrrolidine-3-carboxylic acid dihydrochloride, 95%
	H52106	(±)-trans-4-(3-Pyridyl)pyrrolidine-3-carboxylic acid dihydrochloride, 95%
	H51999	(±)-trans-4-(4-Pyridyl)pyrrolidine-3-carboxylic acid dihydrochloride, 95%
	H52110	(±)-trans-4-(6-Methoxy-3-pyridyl)pyrrolidine-3-carboxylic acid dihydrochloride, 95%
	H52000	(±)-trans-4-Isopropylpyrrolidine-3-carboxylic acid hydrochloride, 95%
	H52090	(±)-trans-4-Phenylpyrrolidine-3-carboxylic acid hydrochloride, 95%
	H52094	(±)-trans-N-Boc-4-(3-bromophenyl)pyrrolidine-3-carboxylic acid, 95%
	H52049	(±)-trans-N-Boc-4-(3-nitrophenyl)pyrrolidine-3-carboxylic acid, 95%
	H52038	(±)-trans-N-Boc-4-(4-bromophenyl)pyrrolidine-3-carboxylic acid, 95%
	H52120	(±)-trans-N-Boc-4-(4-chlorophenyl)pyrrolidine-3-carboxylic acid, 95%
	H52134	(±)-trans-N-Boc-4-[4-(trifluoromethyl)phenyl]pyrrolidine-3-carboxylic acid, 95%

Quinoxalines

Quinoxalines (also known as benzopyrazine, 1,4-diazanapthalene, 1,4-benzodiazine, and quinazine) are bicyclic aromatic organic compounds characterized by fusion of the benzene ring with a pyrazine ring. It is isomeric with other naphthyridines including quinazoline, phthalazine, and cinnoline. Quinoxaline has a pKa value of 0.6, and it less basic than either cinnoline (1,2-diazanaphthalene), quinazoline (1,3-diazanaphthalene) or phthalazine (2,3-diazanaphthalene) . Quinoxaline has a second pKa of -5.52.

Quinoxaline and its derivatives are easily converted into both mono- and di-N-oxides. Quinoxaline has a dipole moment of 0.51D in benzene. Electrophilic substitution reactions of unsubstituted quinoxalines are unusual. Quinoxalines and its derivatives have become attractive targets in synthetic and medicinal chemistry, due to their broad spectrum of biological activities including anti-viral, anti-bacterial, and anti-inflammatory activities. The other technical applications of quinoxalines include their use in semiconductors, dyes, electroluminescent materials, cavitands, building blocks for the synthesis of anion receptors, and DNA cleaving agents.



H55473	1,2,3,4-Tetrahydroquinoxaline, 98%
B21432	2,3,6-Trimethylquinoxaline, 97%
H58649	2,3-Bis(bromomethyl)quinoxaline, 97%
A11734	2,3-Dichloroquinoxaline, 98%
L07581	2,3-Dihydroxyquinoxaline, 98%
B23313	2,3-Dimethylquinoxaline, 97%
B20100	2,3-Diphenylquinoxaline, 98+%
H26680	2-Acetylquinoxaline, 97%
H52160	2-Bromomethyl-3-phenylquinoxaline, 97%
H61967	2-Bromoquinoxaline, 97%
H51734	2-Chloro-3-methylquinoxaline, 95%
H50549	2-Chloro-3-(trifluoromethyl)quinoxaline, 96%
H52241	2-Methyl-3-phenylquinoxaline, 97%
A15895	2-Methylquinoxaline, 95%

H58030	3-(2-Thienyl)-2(1H)-quinoxalinone, 97%
H27169	3-Bromomethyl-2(1H)-quinoxalinone, tech. 90%
L11204	5,6,7,8-Tetrahydroquinoxaline, 99%
H35474	5-Hydroxyquinoxaline, 97%
A19300	5-Methylquinoxaline, 98%
H25941	6,7-Dimethoxy-1,4-dihydro-2,3-quinoxalinedione monohydrate, 98%
L14038	6-Chloro-1,4-dihydro-2,3-quinoxalinedione, 97%
H63259	6-Methylquinazoline-2,4(1H,3H)-dione, 97%
L11090	6-Methylquinoxaline, 96%
H33069	Ethyl (3-methyl-2-quinoxalinyl)acetate, 98%
A16689	Methyl quinoxaline-6-carboxylate, 98%
H59780	Quinoxaline-2-carboxylic acid, 97%
H33157	Quinoxaline-6-carboxylic acid, 95%
A14055	Quinoxaline, 98+%

Triazoles

Triazoles are five-membered heterocyclic aromatic compounds containing three nitrogen atoms in the ring. Triazoles exist in two isomeric forms, specifically 1,2,3-triazoles and 1,2,4-triazoles. Due to their high aromatic stabilization, 1,2,3-triazoles are resistant to reduction and oxidation as well as to hydrolysis in acidic and basic conditions. The high dipole moment of 1,2,3-triazoles (~5 D) helps them participate actively in hydrogen bond formation as well as in dipole□dipole and pi stacking interactions which improves their solubility in aqueous media and enhances their binding with biological targets.

A number of triazole derivatives possess a broad spectrum of activity as antibacterial, anti-inflammatory, anticonvulsant, antineoplastic, antimicrobials, and enzymatic inhibitors. Triazole rings are relatively stable, and triazole linkages can be used in a variety of applications, such as the replacement of the phosphate backbone of DNA.

H61782	1-[2-(2,4-Difluorophenyl)-2,3-epoxypropyl]-1H-1,2,4-triazole methanesulfonate, 98%
B25038	1-(2,4,6-Triisopropylphenylsulfonyl)-1,2,4-triazole, 98%
A11597	1,2,4-Triazole, 99%
H54792	1-(2-Mesitylenesulfonyl)-3-nitro-1H-1,2,4-triazole, 99+%
H66620	1-(4-Aminobenzyl)-1H-1,2,4-triazole, 98%
H64737	1-(4-Chlorophenyl)-1H-1,2,3-triazole-4-methanol, 98%
H50195	1-(6-Chloro-2-pyridyl)-1H-3-hydroxy-1,2,4-triazole
L08434	1-Benzyl-1,2,3-triazole-4,5-dicarboxylic acid, 98%
H33830	1-Chloromethyl-1H-1,2,4-triazole hydrochloride, 96%
A16999	1H-1,2,3-Triazole, 98%
H31732	1H-1,2,4-Triazole-1-acetic acid, 97%
H60475	1H-1,2,4-Triazole-1-carboxamidine hydrochloride, 98%
L18337	1-Methyl-1,2,4-triazole, 98%
B21105	1-Trimethylsilyl-1,2,4-triazole, 95%

H61887	2',4'-Difluoro-2-(1H-1,2,4-triazol-1-yl)acetophenone, 97%
H52522	3-(1H-1,2,4-Triazol-3-ylcarbamoyl)benzeneboronic acid, 95%
H63829	3-(1H-Tetrazol-1-yl)aniline, 97%
H50665	3-(2-Pyridyl)-5-(4-pyridyl)-1,2,4-triazole, 99%
H50649	3-[(4-Methylbenzyl)sulfonyl]-1H-1,2,4-triazole
B22775	3,5-Diamino-1,2,4-triazole, 98%
A14690	3-Amino-1,2,4-triazole-5-carboxylic acid hydrate, 98%
A14871	3-Amino-1H-1,2,4-triazole, 96%
A15242	3-Amino-5-mercapto-1,2,4-triazole, 97+%
H52387	3-Chloro-1,2,4-triazole, 97+%
A13120	3-Mercapto-1,2,4-triazole, 98%
B22579	3-n-Hexylthio-1,2,4-triazole, 97%
L06845	3-Nitro-1,2,4-triazole, 96%
A12427	3-Phenyl-1,2,4-triazole-5-thiol hydrate, 98%
L13628	4'-(1,2,4-Triazol-4-yl)acetanilide, 99%
H50823	4-(3,5-Dimethyl-4H-1,2,4-triazol-4-yl)piperidine, 95%
H53332	4-(4H-1,2,4-Triazol-4-ylcarbamoyl)benzeneboronic acid hydrochloride, 98%
A17716	4-Amino-1,2,4-triazole, 99%

	B20417	4-Amino-3,5-dimethyl-1,2,4-triazole, 98%
	L00982	4-Amino-3-hydrazino-5-mercapto-1,2,4-triazole, 99+%
	L08051	4-Methyl-2-phenyl-1,2,3-triazole-5-carboxylic acid, 98%
	H50645	Ethyl [3-(4-pyridyl)-1H-1,2,4-triazol-5-yl]acetate, 99%
	B24750	Methyl 1,2,4-triazole-3-carboxylate, 98%
	H66485	Tris[(1-benzyl-1H-1,2,3-triazol-4-yl)methyl]amine, 97+%

Azetidines

Azetidines, isosteres of oxetane, are heterocyclic organic compounds possessing reasonable chemical stability. It is a class of four-membered rings with one nitrogen atom. In general, the basicities of saturated heterocycles are similar to those of open chain systems, except for three-membered heterocycles. The nitrogen atom in an azetidine compound has a tendency to form salts with acids but is less basic than normal secondary amines. Aziridines can be acylated (RCOCl) and nitrosated (with nitrous acid) on the nitrogen atom.

Azetidines are the smallest nitrogen-containing saturated ring system, which has reasonable stability. With its inherent conformational rigidity, they are the building blocks of choice. Azetidine derivatives have been widely used for drug designs and the preparation of biologically active compounds by incorporating various functional groups in different positions of the ring. For enhancing biological properties, azetidine has been extensively used for the building of new types of nitrogen-containing compounds. In addition, it plays a major role in making of azetidine-containing amino acids, including 3-aminoazetidine-3-carboxylic acid derivatives, which are used as building blocks for short peptides.

H27111	1-(1-Boc-3-azetidinyl)pyrrolidine, 94%
H66720	1-Benzhydryl-3-azetidinol, 97%
H25819	1-Benzhydryl-3-azetidinol hydrochloride, 95%
H57966	1-Benzhydryl-3-azetidinone, 95%
H57822	1-Benzhydryl-3-azetidinyl methanesulfonate, 95%
H64647	1-Benzhydrylazetidine-3-carbonitrile, 97%
H57498	1-Benzyl-3-azetidinol, 95%
H28218	1-Boc-3-aminoazetidine, 94%
H29152	1-Boc-3-(aminomethyl)azetidine, 97%
H57112	1-Boc-3-azetidinemethanol, 95%
H50826	1-Boc-3-azetidinone, 95%
H57492	1-Boc-3-(bromomethyl)azetidine, 95%
H28841	1-Boc-3-cyanoazetidine, 97%
H57941	1-Boc-3-(ethylamino)azetidine, 95%

H28902	1-Boc-3-hydroxyazetidine, 97%
H57500	1-Boc-3-(iodomethyl)azetidine, 95%
H57515	1-Boc-3-methoxyazetidine, 95%
H57951	1-Boc-3-(methylamino)azetidine, 95%
H57496	1-Boc-3-methylazetidine, 95%
H57725	1-Boc-3-(n-propylamino)azetidine, 95%
H52794	1-Boc-azetidine-3-carboxaldehyde, 97%
H28817	1-Boc-azetidine-3-carboxylic acid, 97%
H57059	1-Fmoc-azetidine-3-carboxylic acid, 95%
H60469	3-(2-Aminoethyl)-1-Boc-azetidine, 95%
H63797	3-[2-(Boc-amino)ethyl]azetidine, 95%
H25751	3,3-Difluoroazetidine hydrochloride, 95%
H59318	3-Aminoazetidine dihydrochloride, 95%
H57801	3-Azetidinemethanol hydrochloride, 95%
H52831	3-(Benzyloxycarbonylamino)azetidine, 97%
H59556	3-(Boc-amino)azetidine, 98%
H59695	3-(Boc-amino)azetidine hydrochloride, 97%
H59816	3-(Boc-aminomethyl)azetidine hydrochloride, 95%
H60310	3-[Boc(methyl)aminomethyl]azetidine, 95%

	H59454	3-Fluoroazetidine hydrochloride, 95%
	H25842	3-Hydroxyazetidine hydrochloride, 97%
	H57769	3-Methoxyazetidine hydrochloride, 95%
	H66227	3-Trifluoromethyl-3-azetidinol hydrochloride, 96%
	H53088	4-(1-Azetidinylsulfonyl)benzeneboronic acid, 96%
	H52294	Azetidine-3-carboxylic acid, 98+%
	H56351	Azetidine, 98%
	H59935	Azetidine hydrochloride, 97%
	H57489	Methyl azetidine-3-carboxylate hydrochloride, 95%
	H57643	N-(Benzyloxycarbonyl)azetidine-3-carboxylic acid, 95%
	L09668	(S)-(-)-Azetidine-2-carboxylic acid, 98%

Carbazoles

Carbazoles [9-Azafluorene; Dibenzo(b,d)pyrrole; 9H-Carbazole] are tricyclic aromatic compounds in which two benzene rings are fused on either side of a pyrrole ring. The structure is related to an indole structure in which a second benzene ring is fused onto the five-membered ring at the (2,3) positions of indole. Several synthetic routes have been reported for carbazoles owing to their applications. As carbazoles possess desirable electronic and charge transport properties, as well as large pi-conjugated system, various functional groups are easily introduced into the structurally rigid carbazolyl ring. The structure of carbazoles permits extensive potential applications in the field of chemistry (photoelectrical material, dyes, supramolecular recognition) and medicinal chemistry (antitumor, antiinflammatory, antimicrobial, psychotropic, anti-oxidative).

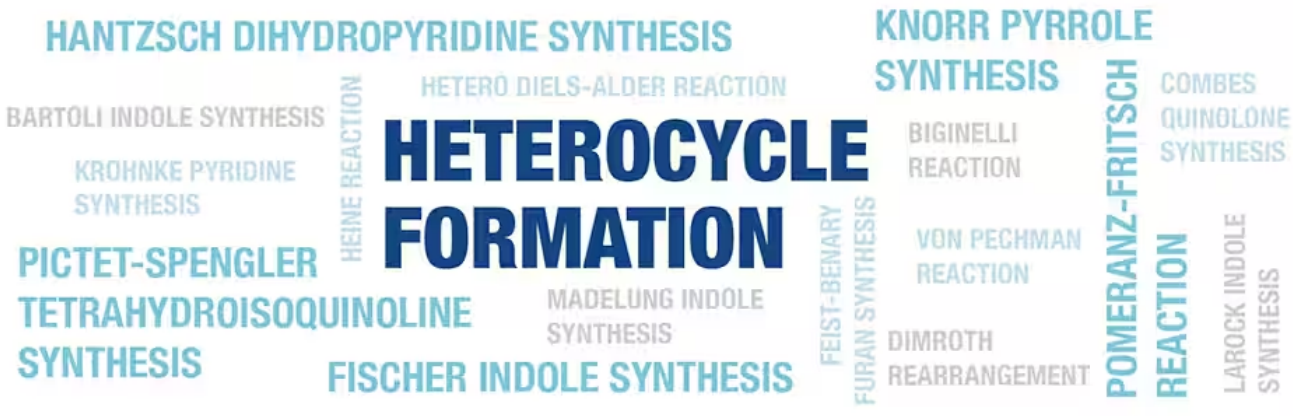
B23657 (/en/catalog/B23657/)	1,2,3,4-Tetrahydrocarbazole, 99%	^
L19580 (/en/catalog/L19580/)	2-(9-Carbazolyl)ethylboronic acid pinacol ester, 98%	^
H27765 (/en/catalog/H27765/)	2-Hydroxycarbazole, 97%	^
H64542 (/en/catalog/H64542/)	3-(4-Bromophenyl)-9-phenylcarbazole, 98%	^
H60029 (/en/catalog/H60029/)	3,6-Dibromo-9-phenylcarbazole, 98%	^
H56360 (/en/catalog/H56360/)	3,6-Dibromocarbazole, 99%	^
H64898 (/en/catalog/H64898/)	3-(9-Carbazolyl)benzeneboronic acid, 98%	^
B22529 (/en/catalog/B22529/)	3-Amino-9-ethylcarbazole, 95%	^
H64212 (/en/catalog/H64212/)	3-Bromo-9-phenylcarbazole, 98%	^
H64437 (/en/catalog/H64437/)	3-Bromocarbazole, 98%	^
H59222 (/en/catalog/H59222/)	4-(2H-Tetrazol-5-yl)benzeneboronic acid pinacol ester, 95%	^
H64703 (/en/catalog/H64703/)	4-(9-Carbazolyl)benzeneboronic acid, 98%	^

H51948 (/en/catalog/H51948/)	4-(9-Carbazolyl)benzeneboronic acid pinacol ester, 95%	
H52285 (/en/catalog/H52285/)	4-(9-Carbazolylmethyl)benzeneboronic acid pinacol ester, 95%	
L11362 (/en/catalog/L11362/)	9-(4-Aminophenyl)carbazole hydrochloride, 98%	
H64404 (/en/catalog/H64404/)	9-(4-Bromophenyl)carbazole, 98%	
H51944 (/en/catalog/H51944/)	9-Benzylcarbazole-3-boronic acid pinacol ester, 95%	
H64959 (/en/catalog/H64959/)	9-Ethylcarbazole-3-boronic acid, 98%	
A11653 (/en/catalog/A11653/)	9-Ethylcarbazole, 99%	
H27643 (/en/catalog/H27643/)	9-Isopropylcarbazole, 97%	
H51952 (/en/catalog/H51952/)	9-Methylcarbazole-3-boronic acid pinacol ester, 95%	
H64059 (/en/catalog/H64059/)	9-Phenylcarbazole-3-boronic acid, 98%	
H56827 (/en/catalog/H56827/)	9-Phenylcarbazole, 99%	
H56174 (/en/catalog/H56174/)	9-Vinylcarbazole, 98+%	
H55484 (/en/catalog/H55484/)	Carbazole-2-boronic acid pinacol ester, tech. 90%	
A11448 (/en/catalog/A11448/)	Carbazole, 95%	

Imidazoles / Imidazoline

Imidazoles are five-membered heteroaromatic compounds containing two nitrogen atoms at alternate positions. Imidazoles exist as two equivalent tautomeric forms, because the proton can be located on either of the two nitrogen atoms. Imidazoles are amphoteric as they act as both an acid and a base. Imidazoles have been incorporated in many important biological molecules, as they express pharmacological activity. Imidazoles are used as corrosion inhibitors on specific transition metals, such as copper.

Imidazolines are a non-aromatic analog of imidazoles in which one of the double bonds is saturated, and they are non-planar. They further exist in three forms, specifically, 2-imidazolines, 3-imidazolines, and 4-imidazolines. Imidazoles undergo several reactions including addition across the double bond, alkylation, etc., and are utilized in many applications. Imidazolines are cationic surfactants which can be used as water repellents, anti-corrosives, emulsifiers and dispersing agents. Imidazolines have a tendency of absorption onto negatively charged surfaces of metals, fibers, plastics, glass and minerals.



A14688	1,1'-Carbonyldiimidazole, 97%
B22008	1,1'-Thiocarbonyldiimidazole, tech 90%
H66536	1-(2,3-Epoxypropyl)-2-nitroimidazole, 97%
L11303	1,2-Dimethyl-5-nitroimidazole, 97%
B23544	1,2-Dimethylimidazole, 98%
H32369	1-(2-Tetrahydropyranyl)-1H-imidazole-5-boronic acid pinacol ester, 95%
A14169	1-(3-Aminopropyl)imidazole, 98%
A15510	1,3-Dibromo-5,5-dimethylhydantoin, 98%
A16001	1,3-Dimethyl-2-imidazolidinone, 98%
H63384	1,3-Dimethyl-2-thiohydantoin, 95%
B25621	1-(4-Methoxyphenyl)imidazole, 98%
L12216	1-(4-Methoxyphenyl)imidazoline-2-thione, 98%
B24188	1,5,5-Trimethylhydantoin, 98%
L00137	1-Acetylimidazole, 98%

L11053	1-Allylimidazole, 97%
L00657	1-Benzoylimidazole, 96%
L00802	1-Benzylimidazole, 98+%
L00506	1-Boc-imidazole, 98%
H51865	1-Ethoxymethyl-2-iodoimidazole, 97%
H66143	1-Ethylimidazole-2-carboxaldehyde, 95%
L00221	1-(Heptafluorobutyryl)imidazole, 97%
A19868	1-Hydroxymethyl-5,5-dimethylhydantoin, 97%
A15053	1-(Mesitylenesulfonyl)imidazole, 98+%
H64006	1-Methyl-2-imidazolemethanol, 98%
H63220	1-Methyl-3-phenylhydantoin, 95%
H55201	1-Methylimidazole-2-carboxaldehyde, 98%
H51859	1-Methylimidazole-2-carboxylic acid hydrate, 90+%
B24786	1-Methylimidazole-4,5-dicarbonitrile, 97%
H51866	1-Methylimidazole-4-carboxylic acid, 95%
H27338	1-Methylimidazole-5-carboxaldehyde, 97%
H51106	1-Methylimidazole-5-carboxylic acid, 95%
A12575	1-Methylimidazole, 99%
L00531	1-(Methylsulfonyl)imidazole, 98+%

B24896	1-n-Butyl-2-methyl-4-nitroimidazole, 97%
L07793	1-(n-Butyl)imidazole, 99%
H54191	1-(p-Toluenesulfonyl)imidazole, 98+%
41462	1-(tert-Butyldimethylsilyl)imidazole, 97%
L00441	1-(trans-Cinnamoyl)imidazole, 98%
L00135	1-(Trifluoroacetyl)imidazole, 98+%
A12512	1-(Trimethylsilyl)imidazole, 97%
B25272	1-Tritylimidazole-4-carboxaldehyde, 98%
L17694	1-Tritylimidazole, 98%
L16174	1-Vinylimidazole, 99%
H66012	2-(1-Imidazolyl)acetonitrile, 95%
B24931	2-(1-Methylhydrazino)-2-imidazoline hydrobromide, 97%
B24161	2-(1-Naphthylmethyl)-2-imidazoline hydrochloride, 99%
L12617	2-(1-Naphthylmethyl)-2-imidazoline nitrate, 99%
H31757	2-(2-Furyl)-1,3-diphenylimidazolidine, 96%
H54812	2-(3-Pyridyl)-1H-anthra[1,2-d]imidazole-6,11-dione, 97%
A17291	2,4,5-Triphenylimidazole, 97%

A11949	2,4-Dimethylimidazole, 97%
H54920	2-(4-Pyridyl)-1H-anthra[1,2-d]imidazole-6,11-dione, 97%
H51212	2,5-Diiodo-1-methylimidazole, 98%
H63416	2-Acetyl-4-(1,2,3,4-tetrahydroxybutyl)imidazole, 97%
H25999	2-Aminoimidazole sulfate, 98%
B21764	2-Benzyl-2-imidazoline hydrochloride, 99%
H51860	2-Bromo-1-(ethoxymethyl)imidazole, 97%
H52407	2-Bromo-1-methylimidazole, 95%
H51869	2-Bromo-1-tritylimidazole, 97%
A14896	2-Bromo-4,5-dichloroimidazole, 98%
H61155	2-Bromo-5-nitroimidazole, 98%
H52553	2-Bromoimidazole, 95%
H51870	2-Chloro-1-(ethoxymethyl)imidazole, 97%
H31692	2-Chloro-1-methylimidazole-5-boronic acid pinacol ester, 95%
H51867	2-Chloro-1-methylimidazole, 97+%
H51861	2-Chloro-1-tritylimidazole, 97%
H61141	2-Chloro-5-nitroimidazole, 95%
H51863	2-Chloroimidazole, 97%

A15798	2-Ethyl-4-methylimidazole, 96%
B24090	2-Ethylimidazole, 98%
B20386	2-Hydrazino-2-imidazoline hydrobromide, 98%
A17666	2-Imidazolidinone hemihydrate, 98+%
H31846	2-Iodo-1-(2-tetrahydropyranyl)-1H-imidazole, 95%
H51862	2-Iodo-1-methylimidazole, 97%
H51871	2-Iodo-1-tritylimidazole, 97%
H51868	2-Iodoimidazole, 96%
A13307	2-Isopropylimidazole, 98%
A13094	2-Mercapto-1-methylimidazole, 98%
L01346	2-Mercaptoimidazole, 98+%
A12569	2-Methyl-4(5)-nitroimidazole, 99%
H60614	2-Methyl-5-nitroimidazole, 99%
H50221	2-Methylimidazole-1-propionic acid, 97%
A17063	2-Methylimidazole, 97%
L13546	2-Nitroimidazole, 98%
H59095	2-Phenyl-2-imidazoline, 98%

B23858	2-Phenylimidazole, 98%
B24675	3-(2-Methyl-4-nitro-1H-imidazol-1-yl)propionitrile, 97%
H52162	3-[4,5-Di(thiocarbamoyl)-2-imidazolyl]thiobenzamide, 97%
H63048	3-Cyclohexylhydantoin, 95%
H63009	3-Phenylhydantoin, 95%
L06115	4'-(1-Imidazolyl)acetophenone, 97%
H51671	4-[3-(1-Imidazolyl)propylaminomethyl]benzeneboronic acid pinacol ester
H52217	4-[4,5-Di(thiocarbamoyl)-2-imidazolyl]thiobenzamide, 97%
H31581	4-(4-Bromophenyl)imidazole, 97%
H31503	4-(4-Fluorophenyl)imidazole, 97%
B20667	4,5-Dichloro-2-methylimidazole, 97%
L06262	4,5-Dichloroimidazole, 98%
H54582	4,5-Dicyano-2-(2-methylphenyl)imidazole, 97%
H52235	4,5-Dicyano-2-(3-pyridyl)imidazole, 97%
H54298	4,5-Dicyano-2-(4-methylphenyl)imidazole, 97%

Indolines & Isoindolines

Indolines [1-Azaindane; 2,3-Dihydroindole] are the reduced form of indoles, in which one of the double bonds in the pyrrole ring is saturated. Indolines can undergo oxidation, alkylation/acylation, substitution, dehydrogenation reactions, and can be used a starting material for many important molecules. The indole structure can be regenerated by oxidation or dehydrogenation of indolines. Indoline, and its derivatives, possess good biological activities and some have interesting structural scaffolds and are being evaluated as 5-HT2C receptor agonists for the treatment of obesity. Some derivatives have also shown antagonistic effect on progesterone receptors.

H32150	11-Chloro-1,1'-di-n-propyl-3,3,3',3'-tetramethyl-10,12-trimethyleneindatricarbocyanine iodide, 95%
H55957	1,1'-Di-n-octadecyl-3,3,3',3'-tetramethylindocarbocyanine perchlorate, 97%
A16741	1,3,3-Trimethyl-2-methyleneindoline, 95%
L18271	1-Acetyl-5-bromo-7-nitroindoline, 98%
B20509	1-Acetyl-5-bromoindoline, 98%
B20212	1-Acetyl-5-nitroindoline, 98%
H34044	1-Acetylindoline-5-sulfonyl chloride, 97%
L17597	1-Acetylisatin, 97%
H59341	1-Boc-5-bromoindoline, 97%
H59436	1-Boc-indoline-5-boronic acid pinacol ester, 97%
H63883	1-Boc-indoline-7-carboxylic acid, 97%
L17477	1-Boc-indoline, 98%
H52317	1-Isoindolinone-5-boronic acid pinacol ester, 96%
A12942	1-Methylisatin, 97%
L11388	1-Phenylisatin, 98%
H34300	2-[2-(1,3,3-Trimethyl-2-indolinylidene)ethylidene]-1-tetralone, predominantly trans/trans, 96%
H32875	(2E,4E)-1-Phenyl-4-(1,3,3-trimethyl-2-indolinylidene)-2-buten-1-one, 95%
H52273	2-(N-Phthalimidomethyl)benzeneboronic acid pinacol ester, 95%

H50382	2-(Phthalimido)ethanesulfonyl chloride, 97%
L13534	2-Phthalimidopropionic acid, 98%
43808	3-Methyl-1-phenylindolin-2-one, 97%
A15291	3-Nitrophthalimide, 98%
L13535	3-Phthalimidopropionic acid, 98%
A14853	4,7-Dichloroisatin, 98%
A17051	4-Aminophthalimide, 97%
H64136	4-Bromophthalimide, 97+%
L11308	4-Chloro-5-nitrophthalimide, 95%
H66430	4-Methyloxindole, 95%
A12040	4-Nitrophthalimide, 98%
H52267	4-(N-Phthalimidomethyl)benzeneboronic acid pinacol ester, 95%
B22421	(4-Phthalimidobutyl)triphenylphosphonium bromide, 97%
L11332	5,7-Dimethylisatin, 96%
H52358	5-Bromo-1-isoindolinone, 96%
L16993	5-Bromo-7-nitroindoline, 98%
L16992	5-Bromoindoline, 98+%
A13641	5-Bromoisatin, 90+%
L11682	5-Chloro-7-methylisatin, 97%

	A13125	5-Chloroisatin, 98%
	H54158	5-Fluoroindoline, 97%
	B20831	5-Fluoroisatin, 98%
	A14988	5-Iodoisatin, 97%
	B22742	5-Methoxyisatin, 97%
	L08009	5-Methylisatin, 97%
	B25417	5-Nitroindoline, 97%
	B24962	5-Nitroisatin, 98%
	B25494	5-(Trifluoromethoxy)isatin, 98%
	H59565	6-Amino-7-(5-indolinyl)-9-methyl-7-deazapurine, 95%
	L17095	6-Fluoro-1-indanone, 97%
	B21961	6-Nitroindoline, 98+%
	B25034	(6-Phthalimidohexyl)triphenylphosphonium bromide, 94%

H32843	7-Bromoisatin, 97%
H55594	7-Chloroisatin, 97%
H26827	7-Fluoroisatin, 97%
H52344	7-Iodoisatin, 97%
H51873	Diethyl [3-(N-phthalimido)propyl]phosphonate, 97%
B21096	Diethyl (phthalimidomethyl)phosphonate, 97%
L02840	Dimethyl (phthalimidomethyl)phosphonate, 97%
L14724	Ethyl 2-(3-N-phthalimidopropyl)acetoacetate, 95%
H28059	Ethyl (S)-indoline-2-carboxylate hydrochloride, 98%
B25450	(±)-Indoline-2-carboxylic acid, 95%
A11000	Indoline, 99%
B22732	Isatin-3-oxime, 97%
A12468	Isatin, 98%
H63012	Isoindoline hydrochloride, 95%
H66091	Methyl 2-oxoindoline-7-carboxylate, 96%
L17849	N-2-(2-Pyridylethyl)phthalimide, tech. 90%
A12164	N-(2-Bromoethyl)phthalimide, 97+%
H53509	N-(2-Butynyl)phthalimide, 97%

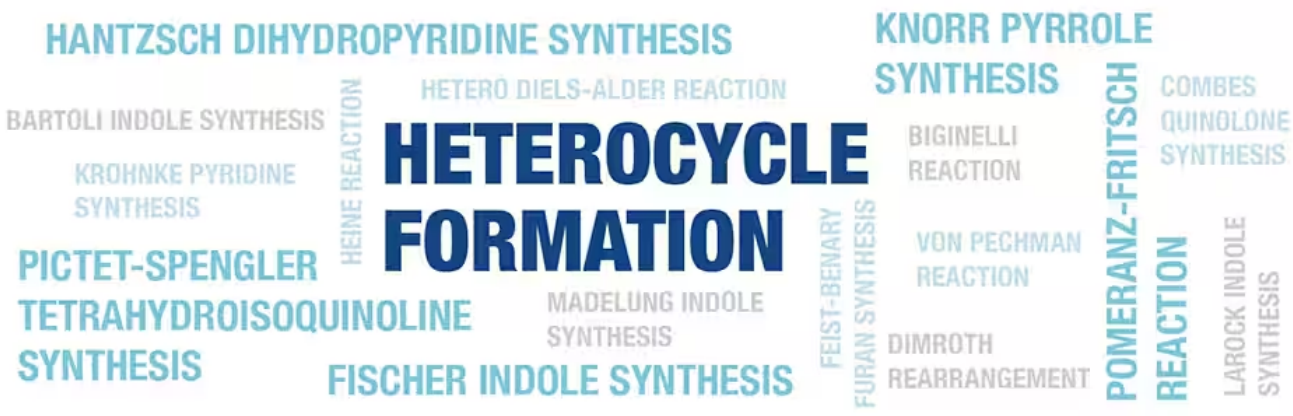
L10275	N-(2-Carboxyphenyl)phthalimide, 98%
A14259	N-(2-Hydroxyethyl)phthalimide, 98+%
H52329	N-[2-(N-Boc-N-n-propylamino)ethyl]phthalimide, 96%
H53415	N-(2-Pentynyl)phthalimide, 97%
A15587	N-(3-Bromopropyl)phthalimide, 98%
L04507	N-(3-Hydroxypropyl)phthalimide, 98%
L16314	N-(4-Bromobutoxy)phthalimide, 98+%
A14517	N-(4-Bromobutyl)phthalimide, 96%
L06268	N-(4-Carboxyphenyl)phthalimide, 97%
L16313	N-(4-Chloro-2-butynyl)phthalimide, 97%
A15057	N-(4-Chlorophenyl)phthalimide, 98+%
H53432	N-(4-Pentynyl)phthalimide, 97%
L17543	N-(5-Bromopentyl)phthalimide, 97%
H53489	N-(5-Hexynyl)phthalimide, 97%
B25128	N-(6-Bromohexyl)phthalimide, 97%
A14855	N-Acetylphthalimide, 97%
H63724	N-Allylphthalimide, 97%
A19914	N-Aminophthalimide, 94%

L02818	N-(Bromomethyl)phthalimide, 95%
A11601	N-Bromophthalimide, 98+%
A12018	N-(Chloromethyl)phthalimide, 97%
A14822	N-(Ethoxycarbonyl)phthalimide, 97%
A16014	N-Ethylphthalimide, 98%
A16027	N-Hydroxy-1,8-naphthalimide sodium salt, 99%
B21292	N-(Hydroxymethyl)phthalimide, 97%
A13862	N-Hydroxyphthalimide, 98%
L08991	N-Methylphthalimide, 98%
A16020	N-(n-Butyl)phthalimide, 99%
A15920	N-Phthaloylglycine, 98+%
H65025	N-Phthaloyl-L-phenylalanine, 98%
H53429	N-Propargylphthalimide, 98%
L09335	N-Vinylphthalimide, 99%

Piperidones

Piperidone (also known as piperidinone or azinanone) is a saturated heterocyclic organic compound containing one nitrogen atom, and a carbonyl group in the ring. It exists in different isomeric forms, such as 2-piperidone, 3-piperidone and 4-piperidone. The Petrenko-Kritschenko piperidone synthesis is one of the main named reactions for the preparation of piperidone derivatives, which involves the reaction of alkyl-1,3-acetonedicarboxylate with benzaldehyde and an amine.

Piperidone-based compounds have received much attention for drug discovery research. Owing to the presence of a carbonyl group and a secondary amine group, both containing alpha-protons, the piperidone structure is a versatile moiety and finds wide applications in synthetic organic chemistry and medicinal chemistry. Piperidone-derived imines and enamines play an important role in several synthetic transformations (Kuznetzov, K. V., □gamma-Piperidone imines and enamines in organic synthesis□, Chemistry of Heterocyclic Compounds 1993, 30(1), 1-13). Besides the interesting structural features, these compounds are also of pharmaceutical interest as they exhibit a wide range of biological activities. Specifically, 2-piperidones have been used both as target molecules and as intermediates in the synthesis of several piperidine derivatives. 4-Piperidone is used as an intermediate in the manufacture of chemicals and pharmaceutical drugs. Hydroxylated piperidine alkaloids also have shown a wide range of biological activities due to their ability to imitate carbohydrates in a variety of enzymatic processes.



A13512	1-Acetyl-4-piperidone, 98%
A13901	1-Benzoyl-4-piperidone, 98+%
A13542	1-Benzyl-3-ethoxycarbonyl-4-piperidone hydrochloride hydrate, 97%, ca 10% water
A12849	1-Benzyl-3-piperidone hydrochloride hydrate
A12390	1-Benzyl-4-piperidone, 98+%
B23181	1-Benzyloxycarbonyl-4-piperidone, 98+%
L18896	1-Boc-2-piperidone, 99%
H66437	1-Boc-2-trifluoromethyl-4-piperidone, 95%
H33244	1-Boc-3-fluoro-4-piperidone, 95%
L19276	1-Boc-3-piperidone, 97%
H37525	1-Boc-4-piperidone, 97+%
H27495	1-Cyclopropyl-4-piperidone, 98%
A11833	1-Ethoxycarbonyl-4-piperidone, 98+%
H58735	1-Fmoc-3-piperidinone, 96%

A11480	1-Isopropyl-4-piperidone, 99%
A13352	1-Methyl-4-piperidone, 98%
B25477	1-n-Propyl-4-piperidone, 98%
A16211	2,2,6,6-Tetramethyl-4-piperidone monohydrate, 99%
A13726	4-Piperidone hydrochloride monohydrate, 98%
B23541	DL-Pipecolinic acid, 99%
H64102	Ethyl 1-Boc-3-oxopiperidine-4-carboxylate, 97%
A12131	Ethyl 4-piperidone-3-carboxylate hydrochloride, 97%
H57019	Ethyl (R)-(+)-1-Boc-4-oxopiperidine-2-carboxylate, 95%
H25903	(R)-(+)-1-Boc-4-oxopiperidine-2-carboxylic acid, 95%
H57617	(S)-(-)-1-Boc-4-oxopiperidine-2-carboxylic acid, 95%

Pyrazolines / Pyrazolidines

Pyrazolines (also known as dihydropyrazole) are mono-unsaturated 5-membered heterocyclic compounds containing three carbon atoms and two adjacent nitrogen atoms. Pyrazoline has three possible tautomeric forms, specifically 1-pyrazoline, 2-pyrazoline and 3-pyrazoline. Pyrazolines are less stable than the corresponding pyrazoles, but can also be converted to pyrazole using mild oxidizing agents. It has only one endocyclic double bond and is basic in nature.

Pyrazolines display a broad spectrum of potential pharmacological activities and are present in a number of pharmacologically active molecules owing to their synthetic versatility and biological activity. Pyrazoline derivatives were found to have potential antipyretic-analgesic, psycho analeptic, antiepileptic, anticancer, antidepressant, anti-inflammatory, antimicrobial, and anti-hypotensive activities (Review: Pyrazolines: a Biological Review, Marella, A. et al., Mini Rev Med Chem. 2013, 13(6), 921-31.).

Pyrazolidines (tetrahydropyrazoles, diazacyclopentanes) are saturated analogs of pyrazoles. They are hydrazine derivatives, cyclized with a propylene chain through both the nitrogen atoms, and hence are very attractive synthons for diverse heterocycles. Pyrazolidines can be prepared by catalytic reduction of pyrazole or pyrazoline. Pyrazolidine based compounds are valuable hetereocycles, and are attracted to many chemists due to their potent biological properties. They are important synthetic intermediates in organic synthesis; for example, after appropriate functionalization, 1,3-diamines can be prepared by reduction of the N-N bond of pyrazolidines.

A12089	1-Phenyl-3-pyrazolidinone, 97%
A10862	3-Amino-1-phenyl-2-pyrazolin-5-one, 97%
A10253	3-Methyl-2-pyrazolin-5-one, 98+%
H52946	4-(5-Oxo-3-pyrazolidinyl)benzeneboronic acid, 96%
B22530	4-Benzoyl-3-methyl-1-phenyl-5-pyrazolinone, 98+%

Pyridines

Pyridines (azabenzenes) are six-membered aromatic heterocycles with one nitrogen atom in the ring. Electrophilic substitution with pyridine takes place under severe conditions, predominantly at the 3-position. Pyridine behaves both as a tertiary amine (alkylation, acylation, and N-oxidation), and as an aromatic compound (nucleophilic substitutions at the 2-position). Generally pyridine is much less basic than alkylamines and more basic than pyrrole and aniline. However, it is a sufficiently strong enough base to form salts with mineral acids.

Pyridine and picolines are employed as bases, scavengers, catalysts, as well as solvents for chemical reactions. Pyridine derivatives, 4-dimethylaminopyridine (DMAP) and 4-(1-pyrrolidinyl)pyridine, are best suited to activate the carboxylic acid halides, or anhydrides, during esterifications and acylations, and for alkylations, silylations, polymerizations, and rearrangements.

The Cornforth reagent (pyridinium dichromate, PDC), pyridinium chlorochromate (PCC), and the Collins reagent (adduct of pyridine with CrO3) are some of the most efficient agents for oxidizing alcohols to carbonyl compounds. Pyridine-borane serves as a mild reducing agent and pyridine-SO3 as a sulfonation agent. Pyridine derivatives are extensively employed in coordination chemistry as ligands. Pyridines, aminopyridines, and many other derivatives are precursors for several agrochemicals and pharmaceuticals such as: veterinary antibacterials (sulfasalazine), antiseptic products (cetylpyridinium and laurylpyridinium), antihistamines, and anti-inflammatory agents (for a review on pyridines: Kirk-Othmer Encyclopedia of Chemical Technology (4th Edition) pp 1-33).

H30087	1,1'-Thiocarbonyldi-2(1H)-pyridone, 95%
H50842	1-[2-(1-Piperazinyl)nicotinoyl]piperidine
H32694	1,2,4-Triazolo[4,3-a]pyridine-3-thiol, 96%
H50841	1-(2-Chloronicotinoyl)piperidine, 97%
A17475	1-(2-Pyridylazo)-2-naphthol, 98%
H26046	1-(2-Pyridyl)ethylamine, 96%
H50946	1-(2-Pyridyl)homopiperazine, 98%
L05451	1-(2-Pyridyl)piperazine, 99%
H50930	1-[3-(1-Pyrrolidinylcarbonyl)-2-pyridyl]piperazine
H50896	1-(3,5-Dichloro-2-pyridyl)piperazine, 97%
H58670	1,3-Bis[4-(4-pyridyl)-2-thiazolyl]benzene, 97%
H50777	1-(3-Chloro-2-pyridyl)homopiperazine, 97%
H50859	1-(3-Chloro-2-pyridyl)piperazine, 98%
H50263	1-(3-Chloro-5-trifluoromethyl-2-pyridyl)homopiperazine, 98%

L02427	1,3-Di(4-pyridyl)propane, 98%
H50056	1-(3-Iodo-2-pyridyl)piperazine, 98%
H51006	1-(3-Methyl-2-pyridyl)homopiperazine, 95%
H26047	1-(3-Pyridyl)ethylamine, 96%
H31954	1-(3-Pyridylmethyl)-1H-pyrazole-4-boronic acid pinacol ester
H37485	1,4-Bis(4-pyridylmethyl)benzene, 97%
H50871	1-(4-Methyl-2-pyridyl)piperazine
H50303	1-(4-Pyridyl)ethylamine, 97%
L19396	1-(4-Pyridyl)piperazine, 97%
H50862	1-(5-Chloro-2-pyridyl)piperazine, 99%
H27289	1-(5-Iodo-2-pyridyl)piperazine, 95%
H50897	1-(5-Methyl-2-pyridyl)piperazine, 97%
H34430	1-(5-Trifluoromethyl-2-pyridyl)-1H-pyrazole-4-sulfonyl chloride, 95%
H50195	1-(6-Chloro-2-pyridyl)-1H-3-hydroxy-1,2,4-triazole
H50905	1-(6-Ethoxy-2-pyridyl)piperazine, 97%
H50895	1-(6-Methoxy-2-pyridyl)piperazine, 97%
H50876	1-(6-Methyl-2-pyridyl)homopiperazine, 99%
H50954	1-(6-n-Butoxy-2-pyridyl)piperazine
H33689	1-(6-Trifluoromethyl-2-pyridyl)-1,4-diazepane, 95%

B25703	1-Aminopyridinium iodide, 97%
H64891	1-Benzyloxycarbonyl-1,2,3,6-tetrahydropyridine-4-boronic acid pinacol ester, 98%
H52574	1-Boc-1,2,3,6-tetrahydropyridine, 97%
H52577	1-Boc-3-hydroxy-1,2,3,6-tetrahydropyridine, 97%
H50144	1-Boc-4-(5-iodo-2-pyridyl)piperazine, 95%
H54465	1-Boc-4-(6-nitro-3-pyridyl)piperazine, 97%
H59334	1-Cyano-4-(dimethylamino)pyridinium tetrafluoroborate, 98%
B22124	1-Dimethylcarbamoyl-4-(2-sulfoethyl)pyridinium inner salt, 95%
L17124	1-Ethyl-3-methyl-4-piperidone, 98%
A17911	1-Ethylpyridinium bromide, 99%
A13499	(1-Hexadecyl)pyridinium chloride monohydrate, 98%
H26983	1-n-Butyl-3-methylpyridinium tetrafluoroborate, 99%
H27355	1-n-Butyl-4-methylpyridinium hexafluorophosphate, 99%
H27100	1-n-Butyl-4-methylpyridinium tetrafluoroborate, 99%
H26995	1-n-Butylpyridinium bromide, 99%
19740	1-n-Butylpyridinium chloride, 98%
H50670	2-(1H-Pyrazol-3-yl)pyridine, 98%

H50967	2-(1-Piperazinyl)nicotinamide, 95%
H50853	2-(1-Piperazinyl)-N-(n-propyl)nicotinamide
H27190	2-(1-Pyrrolidinyl)pyridine-3-boronic acid pinacol ester, 95%
H50112	2-(2,2,2-Trifluoroethoxy)pyridine-3-boronic acid pinacol ester, 98%
H50118	2-(2,2,2-Trifluoroethoxy)pyridine-3-carboxaldehyde, 96%
H50014	2-(2,2,2-Trimethylacetamido)-3-pyridinemethanol, 99%
H50015	2-(2,2,2-Trimethylacetamido)pyridine-3-boronic acid pinacol ester, 98%
H32717	2,2,2-Trifluoro-1-(3-pyridyl)ethylamine hydrochloride, 95%
H32814	2,2,2-Trifluoro-N-(2-pyridylmethyl)acetamide, 96%
H32967	2,2,2-Trifluoro-N-(3-pyridyl)acetamide, 96%
H37760	2,2':6',2''-Terpyridine-4'-carboxylic acid, 95%
A16211	2,2,6,6-Tetramethyl-4-piperidone monohydrate, 99%
L05627	2-(2-Aminoethyl)pyridine, 98%
B22594	2,2'-Bipyridine-4,4'-dicarboxylic acid, 98%
A15782	2,2'-Bipyridine, 99+%
H27520	2,2'-Dichloro-3,4'-bipyridine, 95%
H27695	2,2'-Dichloro-4,4'-bipyridine, 95%
H65898	2,2-Dimethyl-N-(2-pyridyl)propionamide, 97%

H33510	2,2-Dimethyl-N-(3-pyridyl)propionamide, 98%
A11118	2,2'-Dipyridyl disulfide, 98%
H50259	2-(2-Ethylhexylaminomethyl)pyridine dihydrochloride, 99%
B23579	2-(2-Hydroxyethyl)pyridine, 98%
H64814	2-(2-Methyl-5-nitrophenylamino)-4-(3-pyridyl)pyrimidine, 98%
B25185	2-[2-(Phenylsulfonyl)ethylthio]nicotinic acid, 97%
L01339	2-(2-Pyridyl)benzimidazole, 98+%
H26498	2-(2-Pyridylsulfonyl)thioacetamide, 97%
H51851	2-(2-Pyridyl)thiazole-4-carboxylic acid, 97%
H50176	2-(2-Pyrrolidinyl)pyridine, 96%
L04775	2-(2-Thienyl)pyridine, 97%
L20433	2',3,3'-Trichloro-2,4-bipyridine, 98%
L19545	2,3,4,6-Tetrafluoropyridine, 98+%
L19458	2,3,5,6-Tetrachloropyridine, 98%
H33712	2,3,5,6-Tetrafluoro-4-hydroxypyridine, 97%
H33785	2,3,5,6-Tetrafluoropyridine-4-acetic acid, 98%
H25768	2,3,5,6-Tetrafluoropyridine-4-propionic acid, 98%
B21905	2,3,5,6-Tetrafluoropyridine, 97%

B23537	2,3,5-Collidine, 99%
H63588	2,3,5-Trichloropyridine-4-carboxylic acid, 95%
H64173	2,3,5-Trichloropyridine, 98%
L20050	2,3,5-Trifluoropyridine-4-carboxylic acid, 97%
L19542	2,3,5-Trifluoropyridine, 98+%
L20053	2,3,6-Trifluoro-4-(trifluoromethyl)pyridine, 97%
L19540	2,3,6-Trifluoropyridine, 97%
L19445	2,3-Bis(trifluoromethyl)pyridine, 97%
H66847	2,3-Diamino-5-bromo-6-methylpyridine, 95%
L19435	2,3-Diamino-5-bromopyridine, 97%
L19526	2,3-Diamino-5-chloropyridine, 98+%
H61716	2,3-Diamino-6-chloropyridine, 95%
H26472	2,3-Diamino-6-methoxypyridine dihydrochloride, 96%
A14618	2,3-Diaminopyridine, 98%

H61407	2,3-Dibromo-5-(trifluoromethyl)pyridine, 95%
H27136	2,3-Dibromo-6-chloropyridine, 95%
H31708	2,3-Dibromopyridine-4-carboxylic acid, 97%
L19527	2,3-Dibromopyridine, 97%
B20165	2,3-Dichloro-5-(trifluoromethyl)pyridine, 97%
H27668	2,3-Dichloropyridine-4-boronic acid, 95%
H27498	2,3-Dichloropyridine-4-boronic acid pinacol ester, 95%
H63733	2,3-Dichloropyridine-4-carboxylic acid, 97%
A12241	2,3-Dichloropyridine, 99%
H25958	2,3-Difluoro-5-(trifluoromethyl)pyridine, 98%
H64514	2,3-Difluoro-6-methylpyridine, 98%
H33463	2,3-Difluoropyridine-4-carboxylic acid, 97%
H25771	2,3-Difluoropyridine, 97%
L19624	2,3-Dimethoxypyridine
L19457	2,3-Dimethyl-4-nitropyridine N-oxide, 97%
L03697	2,3-Lutidine, 99%
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%
H61878	2-[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridylmethylthio]-1H-benzimidazole, 98%
H52233	2-(3-Methylphenyl)-4-(4-pyridyl)thiazole, 97%
B22495	2-(3-Phenylpropyl)pyridine, 99%
H52206	2-(3-Pyridyl)-7-azabenzimidazole, 97%
H54593	2-(3-Pyridyl)benzimidazole-6-carboxylic acid, 97%
H51785	2-(3-Pyridyl)benzimidazole, 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%
H58040	2-(3-Pyridyl)thioacetamide, 97%
H52357	2,4,5-Trimethyl-3-pyridinol, 97%
A11058	2,4,6-Collidine, 99%
A17201	2,4,6-Tri(2-pyridyl)-1,3,5-triazine, 98%
H56787	2,4,6-Trichloropyridine, 97%
L19541	2,4,6-Trifluoropyridine, 97%
H55218	2,4,6-Trimethylpyridinium p-toluenesulfonate, 98%

H36052	2,4,6-Tris(3-pyridyl)-1,3,5-triazine, 97%
H52250	2-(4-Aminophenyl)-4-(4-pyridyl)thiazole, 97%
H27366	2,4'-Bipyridine, 97%
H50058	2-(4-Boc-1-piperazinyl)pyridine-3-boronic acid pinacol ester
H54203	2-[4-(Boc-amino)-1-piperidinyl]pyridine-5-boronic acid pinacol ester, 96%
H32156	2-(4-Bromophenyl)-6-iodoimidazo[1,2-a]pyridine, 97%
H32375	2-(4-Bromophenyl)-6-methylimidazo[1,2-a]pyridine, 97%
B23170	2-(4-Chlorobenzyl)pyridine, 97%
A14359	2-(4-Chlorophenoxy)nicotinic acid, 98%
A14661	2-(4-Chlorophenylthio)nicotinic acid, 98%
L20038	2,4-Dibromopyridine, 97%
H63347	2,4-Dichloro-3-cyanopyridine, 95%
H61634	2,4-Dichloro-5-methylpyridine, 96%
H64248	2,4-Dichloro-6-methylpyridine, 97+%

H58239	2,4-Dichloronicotinic acid, 97%
H34053	2,4-Dichloropyridine-3-carboxaldehyde, 97%
L20040	2,4-Dichloropyridine, 97%
H32124	2,4-Difluoropyridine, 97%
L14933	2,4-Dihydroxy-3-nitropyridine, 99%
A13566	2,4-Dihydroxypyridine, 97%
H55163	2-[4-(Dimethylamino)styryl]-1-ethylpyridinium iodide, 99+%
B21533	2-(4-Fluorophenoxy)nicotinic acid, 97+%
H52229	2-(4-Hydroxyphenyl)-4-(4-pyridyl)thiazole, 97%
B22913	2,4-Lutidine, 98+%
H27434	2-(4-Methylbenzylamino)pyridine-5-boronic acid pinacol ester, 95%
H50289	2-(4-Methylphenoxy)nicotinic acid, 96%
H52138	2-(4-Methylphenyl)-4-(4-pyridyl)thiazole, 97%
H34452	2-(4-Morpholinyl)-5-nitropyridine, 95%
H55989	2-(4-Morpholinyl)pyridine, 96%
H52213	2-(4-Pyridyl)-7-azabenzimidazole, 97%
H51778	2-(4-Pyridyl)benzimidazole, 97%
B20457	2-(4-Pyridyl)thiazole-4-carboxylic acid, 97%

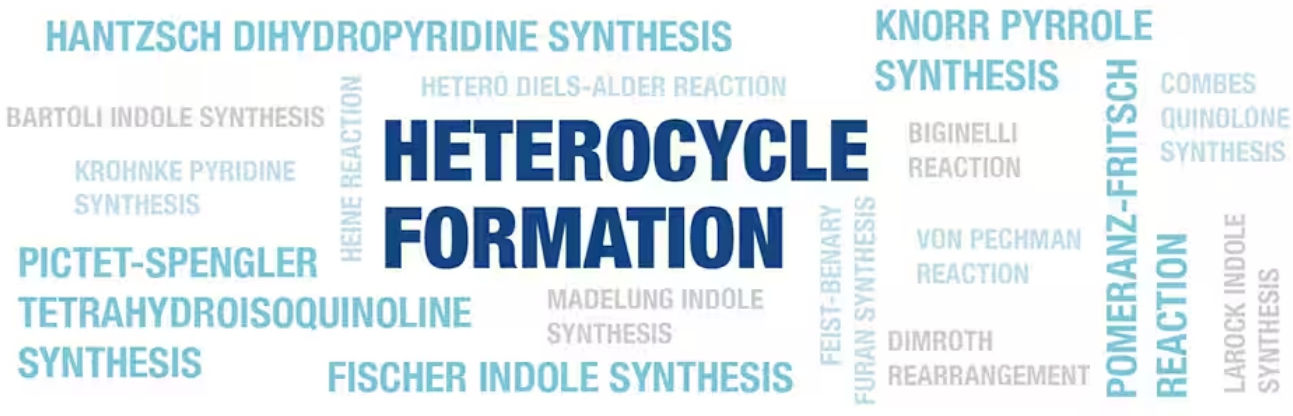
H31518	2,5-Diamino-3-iodopyridine, 95%
L05599	2,5-Diaminopyridine dihydrochloride, 97%
H61108	2,5-Dibromo-3-fluoropyridine, 95%
H27142	2,5-Dibromo-3-methylpyridine, 98%
H61961	2,5-Dibromo-3-nitropyridine, 98%
H30457	2,5-Dibromo-4-methylpyridine, 97%
A10937	2,5-Dibromopyridine, 97%
H34359	2,5-Dichloro-3-(difluoromethyl)pyridine, 95%
H27786	2,5-Dichloro-3-iodopyridine, 98%
H64276	2,5-Dichloro-3-nitropyridine, 97+%
H33442	2,5-Dichloro-4-(trifluoromethyl)pyridine, 97%
H64998	2,5-Dichloronicotinic acid, 98%
H27849	2,5-Dichloropyridine-3-boronic acid, 95%
H27170	2,5-Dichloropyridine-4-boronic acid, 95%
H27699	2,5-Dichloropyridine-4-boronic acid pinacol ester, 95%
H58277	2,5-Dichloropyridine-4-carboxylic acid, 95%
A15442	2,5-Dichloropyridine, 98%
L09713	2-(5-Nitro-2-pyridyloxy)ethanol, 98%

B24894	2,6-Bis(p-tolyl)pyridine, 97%
L19446	2,6-Bis(trifluoromethyl)pyridine, 97%
H51738	2-(6-Chloro-3-pyridyl)dimethylsilyl]benzyl alcohol, 95%
B25678	2,6-Diacetylpyridine, 99%
L20035	2,6-Diamino-3-fluoro-4-(trifluoromethyl)pyridine, 97%
A12295	2,6-Diaminopyridine, 98%
H27214	2',6-Dibromo-3,4'-bipyridine, 95%
A15397	2,6-Dibromopyridine, 98%
B20346	2,6-Dichloro-3-cyano-4-methylpyridine, 97%
H26747	2,6-Dichloro-3-cyano-5-fluoropyridine, 97%
H63480	2,6-Dichloro-3-cyanopyridine, 97%
H64366	2,6-Dichloro-3-iodopyridine, 98%
H61271	2,6-Dichloro-3-methylpyridine, 98%
B21255	2,6-Dichloro-3-nitropyridine, 97%

Pyrrolidinones

Pyrrolidinones are 5-membered organic nitrogen heterocycles containing a carbonyl group. Some of the well-known examples include cyclic amides (gamma-butyrolactams) like 2-pyrrolidinones and N-methyl-2-pyrrolidinone (NMP). Pyrrolidinone compounds are commercially manufactured by the reaction of butyrolactone with ammonia derivatives.

Many pyrrolidinone derivatives are reported to possess significant biological and pharmacological activities which include anticonvulsant, and respiratory stimulation activity. In the chemical industry, pyrrolidone derivatives are used as the starting materials for the preparation of many organic compounds. Similarly, N-methyl-2-pyrrolidone is a popular solvent for many organic transformations and it is used to dissolve polymers due to their high solvating property. N-Vinylpyrrolidone is the monomer of polyvinylpyrrolidone (PVP, povidone), a water-soluble polymer with excellent wetting properties and film-forming ability, and is used for coatings or as an additive to coatings. PVP is used in a wide variety of applications in medicine, pharmacy, cosmetics, and industrial production.



L19733	1,1-Dioxobenzo[b]thiophen-2-ylmethyl N-succimidyl carbonate, 95%
H50563	1-(4-Bromophenyl)pyrrolidin-2-one, 98%
B23538	1-Benzyl-2-pyrrolidinone, 97%
A13426	1-Benzyl-3-pyrrolidinone, 98%
H29306	1-Boc-3-cyano-4-pyrrolidinone, 97%
H27082	1-Boc-3-fluoro-4-pyrrolidinone
H27023	1-Boc-3-pyrrolidinone, 97%
A16638	1-Cyclohexyl-2-pyrrolidinone, 99%
B24548	1-Ethyl-2-pyrrolidinone, 98%
A12260	1-Methyl-2-pyrrolidinone, 99+%
43894	1-Methyl-2-pyrrolidinone, ACS grade, 99.0+%
43741	1-Methyl-2-pyrrolidinone, anhydrous, 99.5%, packaged under inert gas in resealable ChemSeal bottles
H57585	1-Methyl-3-pyrrolidinone, 96%

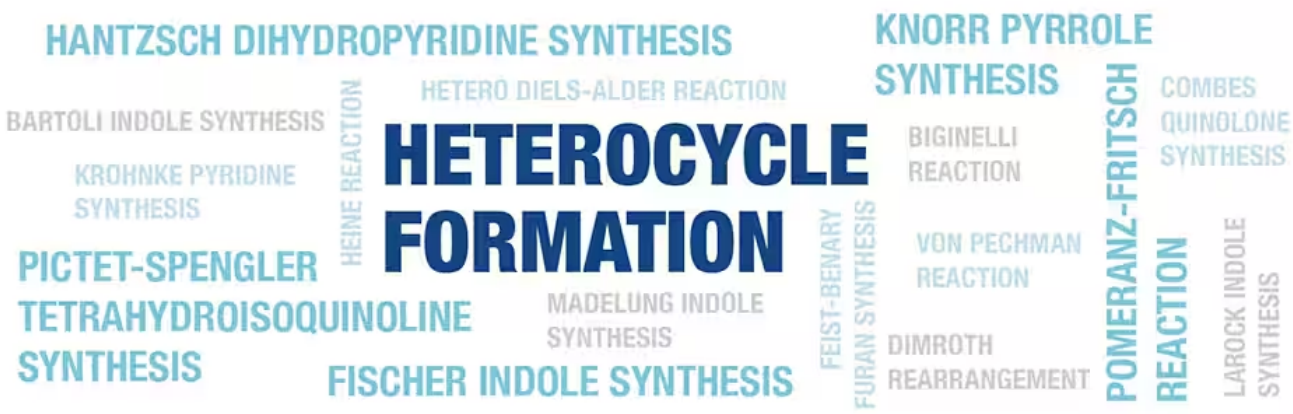
L14660	1-Phenyl-2-pyrrolidinone, 99%
L02638	1-Trimethylsilyl-2-pyrrolidinone, 96%
L09424	(±)-2-Pyrrolidinone-5-carboxylic acid, 99%
A15332	2-Pyrrolidinone, 99%
L00177	2-Pyrrolidinone hydrotribromide, 97%
H55065	3-Ethyl-4-methyl-3-pyrrolin-2-one, 98%
H57961	3-Hydroxy-2-pyrrolidinone, 95%
H54807	3-Sulfo-N-succinimidyl 4-(maleimidomethyl)cyclohexane-1-carboxylate sodium salt, 97+%
H33209	4,4-Dimethyl-2-pyrrolidinone, 95%
L19344	4-Methoxy-3-pyrrolin-2-one, 99%
H62912	Benzyl (S)-1-Boc-5-oxopyrrolidine-2-carboxylate, 98%
L11873	(-)-Cotinine, 98%
H58208	Disuccinimidyl glutarate, 97%
H51771	Disuccinimidyl suberate, 97%
H66157	Ethyl 2-oxopyrrolidine-4-carboxylate, 96%
H62378	Ethyl (S)-1-Boc-5-oxopyrrolidine-2-carboxylate, 98%
H56785	Ethyl (S)-(+)-2-pyrrolidinone-5-carboxylate, 98%
H63577	Methyl 1-methyl-5-oxopyrrolidine-3-carboxylate, 97%
H27318	Methyl 4-oxopiperidine-3-carboxylate hydrochloride, 95%

	H64804	Methyl 5-oxopyrrolidine-2-carboxylate, 95%
	H31236	Methyl (R)-(-)-2-pyrrolidinone-5-carboxylate, 98%
	H62091	Methyl (S)-1-Boc-5-oxopyrrolidine-2-carboxylate, 98%
	H62543	Methyl (S)-(+)-2-oxopyrrolidine-5-carboxylate, 97%
	A13143	N-(9-Fluorenylmethoxycarbonyloxy)succinimide, 98%
	B24680	N-Benzoylsuccinimide, 97%
	A12153	N-(Benzyloxycarbonyloxy)succinimide, 98%
	A15922	N-Bromosuccinimide, 99%
	A10310	N-Chlorosuccinimide, 98%
	A10312	N-Hydroxysuccinimide, 98+%
	A14320	N-Iodosuccinimide, 97%
	A12956	N-Methylsuccinimide, 98%
	H26629	N,N'-Disuccinimidyl carbonate, tech. 85%, remainder N-Hydroxysuccinimide
	B21838	n-Octyl L-2-pyrrolidinone-5-carboxylate, 98%
	H54627	N-Succinimidyl 4-(maleimidomethyl)cyclohexanecarboxylate, 98+%
	H54035	O-(N-Succinimidyl)-N,N,N',N'-tetramethyluronium hexafluorophosphate, 98+%
	H66417	(R)-1-Benzyloxycarbonyl-5-pyrrolidinone-2-carboxylic acid, 95%
	B24678	(R)-(+)-2-Pyrrolidinone-5-carboxylic acid, 98+%

Terpyridines

Terpyridines, also known as tripyridyl (tpy), are heterocyclic aromatic organic compounds in which three pyridine molecules are bound linearly. The terpyridine molecule contains three nitrogen atoms and can therefore act as a tridentate ligand. Terpyridines have a tendency of forming complexes with most transition metal ions, similar to 2,2□-bipyridyl, and 1,10-phenathroline. Among many regiomeric terpyridines, 2,2□,6,2□-terpyridines have a special ability of forming stable complexes with transition metals. Terpyridine complexes exhibit characteristic optical, electronic and electrochemical properties; metal-to-ligand charge transfer in the visible region, reversible reduction and oxidation, and fairly intense luminescence. Their transitional metal complexes are, therefore, employed in material science in the development of sensitizers for photovoltaic devices.

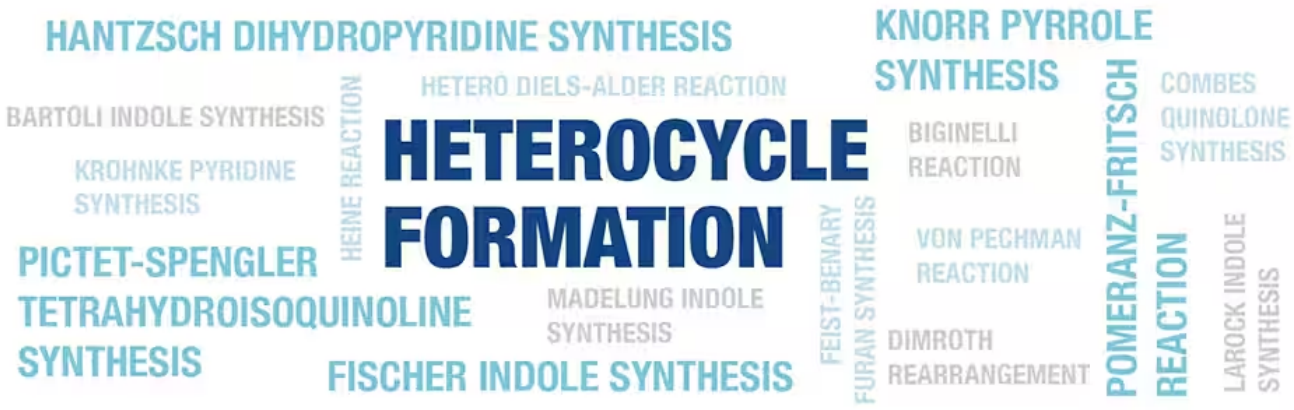
In particular, 4□-aryl-substituted terpyridines possess interesting fluorescent properties and can be used in the derivatization of oligonucleotides, the construction of photo- and redox-active complexes, and the synthesis of fluorescent-labeled complexes, namely proteins and peptides. The coordination compounds of terpyridines are utilized in many fields of research including biomedicinal chemistry, for example in DNA intercalation studies. A broad range of reactions - from artificial photosynthesis (water splitting) to biochemical and organic transformations including asymmetric synthesis as well as polymerization reactions - have been catalyzed by terpyridines and their transition metal complexes. For a review of the applications of terpyridines in organic and macromolecular chemistry, see Winter, A. et al., □Catalytic Applications of Terpyridines and their Transition Metal Complexes□, Chem. Cat. Chem., 2011, 3, 1384 - 1406.



H37760	2,2':6',2''-Terpyridine-4'-carboxylic acid, 95%
A17750	2,2':6',2''-Terpyridine, 97%
H37778	4'-(4-Bromophenyl)-2,2':6',2''-terpyridine, 97%
B25486	4'-(4-Methoxyphenyl)-2,2':6',2''-terpyridine, 98%
B25509	4'-(4-Methylphenyl)-2,2':6',2''-terpyridine, 98%
L14728	4'-Chloro-2,2':6',2''-terpyridine, 98%
H27593	6,6''-Dichloro-3,2':4',3''-terpyridine, 95%
H27566	6''-Chloro-3,2':5',3''-terpyridine, 95%

Aziridines

Aziridines [azaethylene; ethyleneimine] are three-membered cyclic organic heterocyclic compounds with one nitrogen atom in the ring. The bond angles in aziridine are approximately 60°□ which is less than the normal hydrocarbon bond angle of 109.5□°. Aziridine is less basic than acyclic aliphatic amines, with a pKa of 7.9 for the conjugate acid, due to the increased s character of the nitrogen electron pair. The weak basicity of aziridine and its derivatives is ascribed to the strain in the 3-membered ring compound. Aziridines are widely used as intermediates in organic synthesis, acting as precursors to complex molecules due to the strains incorporated in their skeletons. Aziridines and their derivatives are potent pharmacological agents. Certain antibiotics and anti-cancer agents possess the aziridine ring.



H52558	1-Boc-3-iodoazetidine, 97%
H61778	Tri(1-aziridinyl)phosphine sulfide, 98%
H33949	Trimethylolpropane tris[3-(2-methylaziridin-1-yl)propionate]

Condensed imidazoles

Condensed imidazoles are imidazoles fused with five or six membered rings. It is further classified into the fusion of a saturated cyclic ring or unsaturated cyclic ring with an imidazole ring. There are several condensed imidazole compounds reported so far, owing to their vital role in the synthesis of pharmaceutically active compounds and in research in several fields. Benzimidazole derivatives, which come under this class of condensed imidazoles, play an important role in the medicinal field, as it has remarkable pharmacological activities such as antidiabetic, anticancer, antimicrobial and antiviral activity.

H64484	1,5-Naphthyridine, 97+%
H50482	2,3-Dihydro-6-phenylimidazo[2,1-b]thiazole-5-carboxaldehyde, 97%
H52206	2-(3-Pyridyl)-7-azabenzimidazole, 97%
H32156	2-(4-Bromophenyl)-6-iodoimidazo[1,2-a]pyridine, 97%
H32375	2-(4-Bromophenyl)-6-methylimidazo[1,2-a]pyridine, 97%
H50590	2-(4-Bromophenyl)imidazo[1,2-a]pyridine
H52213	2-(4-Pyridyl)-7-azabenzimidazole, 97%
H50807	2-(7-Methyl-5-oxo-2-phenyl-5H-imidazo[1,2-a]pyrimidin-8-yl)propionic acid
H50233	2,8-Dimethylimidazo[1,2-a]pyridine-3-carboxylic acid, 95%
H26608	2-Mercapto-5-methoxy-3H-imidazo[4,5-b]pyridine, 95%
H35114	2-Methylimidazo[1,2-a]pyridine, 95%
L19131	2-Methylimidazo[4,5-c]pyridine, 96%
H50236	2-Phenylimidazo[1,2-a]pyridine-3-carboxylic acid, 98%
H52201	3-(7-Aza-2-benzimidazolyl)benzamidoxime, 97%
H52257	3-(7-Aza-2-benzimidazolyl)thiobenzamide, 97%
H58726	3-Aminoimidazo[1,2-a]pyridine, 97%
H35970	3-Bromo-6-chloroimidazo[1,2-a]pyridine-2-carboxylic acid hydrate, 95%
H35558	3-Bromo-6-chloroimidazo[1,2-a]pyridine, 95%
H66531	3-Bromo-6-chloroimidazo[1,2-b]pyridazine, 95%

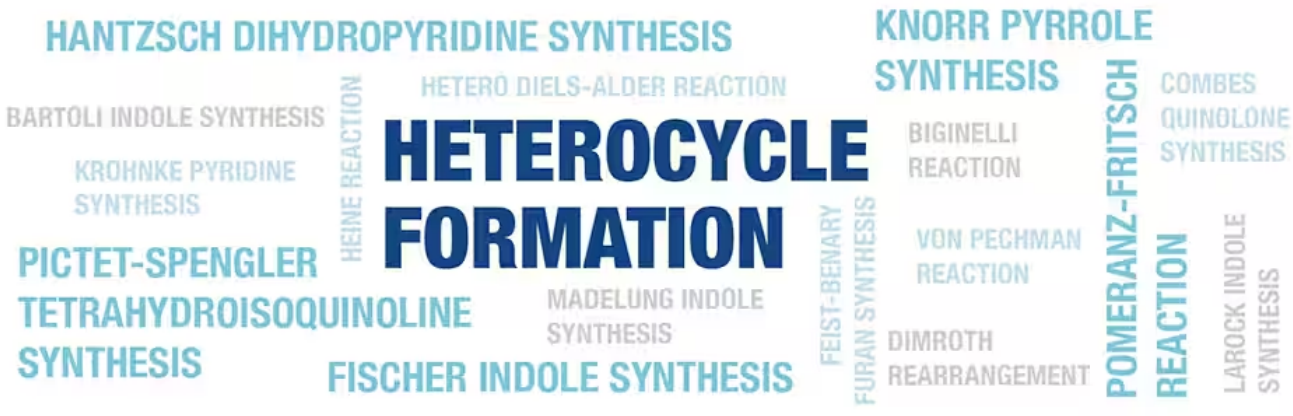
H35479	3-Bromoimidazo[1,2-a]pyridine-2-carboxylic acid hydrate, 95%
H35663	3-Bromoimidazo[1,2-a]pyridine-6-carboxaldehyde, 95%
H35930	3-Bromoimidazo[1,2-a]pyridine-6-carboxylic acid hydrate, 95%
H35563	3-Bromoimidazo[1,2-a]pyridine-7-carboxylic acid, 95%
H26011	3-Bromoimidazo[1,2-a]pyridine, 97%
H33162	3-Chloroimidazo[1,2-a]pyridine-2-carboxylic acid, 95%
H35089	3-Chloroimidazo[1,2-a]pyridine-6-carboxylic acid, 95%
H64755	4,5,6,7-Tetrahydro-5-azabenzimidazole hydrochloride, 95%
H28243	4,5,6,7-Tetrahydrothieno[3,2-c]pyridine hydrochloride, 96%
H52208	4-(7-Aza-2-benzimidazolyl)benzamidoxime, 97%
H52234	4-(7-Aza-2-benzimidazolyl)thiobenzamide, 97%
H35447	4-(8-Methylimidazo[1,2-a]pyrid-2-yl)aniline, 95%
B25051	4-Azabenzimidazole, 98%
H35666	4-(Imidazo[1,2-a]pyrid-2-yl)aniline, 95%
H33240	5-Bromoimidazo[1,2-a]pyridine, 97%
H35034	5-Chloroimidazo[1,2-a]pyridine-2-carboxylic acid hydrate, 95%
H50468	6-(4-Fluorophenyl)imidazo[2,1-b]thiazole-5-carboxaldehyde, 99%
H59151	6,8-Dibromoimidazo[1,2-a]pyrazine, 95%
H37542	6-Bromo-8-iodoimidazo[1,2-a]pyridine, 95%

	H35790	6-Bromoimidazo[1,2-a]pyridine-2-carboxylic acid hydrate, 95%
	H34453	6-Bromoimidazo[1,2-a]pyridine, 98%
	H54711	6-Bromoimidazo[1,2-a]pyrimidine, 97%
	H59433	6-Chloro-3-iodoimidazo[1,2-a]pyridine, 95%
	H50313	6-Chloroimidazo[1,2-a]pyridine-2-carboxylic acid, 99%
	H35567	6-Chloroimidazo[1,2-a]pyridine-3-carboxylic acid hydrate, 95%
	H33234	6-Chloroimidazo[1,2-a]pyridine, 97%
	H33683	6-Chloroimidazo[2,1-b]thiazole-5-sulfonyl chloride, 97%
	H35854	6-Cyanoimidazo[1,2-a]pyridine, 95%
	H52777	6-Iodo-1,2,4-triazolo[1,5-a]pyridine, 97%
	H50455	6-(Isopropylthio)imidazo[2,1-b]thiazole-5-carboxaldehyde, 95%
	H35639	6-(Trifluoromethyl)imidazo[1,2-a]pyridine-2-carboxylic acid hydrate, 95%

Imidazolium Salts

Imidazolium salts are the salts of imidazoles where one of the nitrogen atoms in the ring is in the cationic form, e.g. imidazolium chloride. These salts, formed by protonation at the nitrogen atom of imidazole, have been used as ionic liquids and precursors to stable carbenes. Imidazolium salts exhibit good electrical conductivity, high ionic mobility, and excellent chemical and thermal stabilities. Ionic liquids of N,N-dialkylImidazolium salts can be utilized as a reaction media for several organic transformations. Ionic liquids are powerful solvents and electrically conducting fluids.

There are a widely variety of imidazolium salts, ranging from imidazolium chloride salts, N,N-dialkylImidazolium salts, and so on. Imidazolium ions can be deprotonated using anionic bases such as sodium hydride, potassium tert-butoxide, etc. In the electrochemical reduction process, imidazolium salts produce N-heterocyclic carbenes when treated with potassium. The reduction of imidazolium salts is a one- electron process. In addition, Imidazolium bis[(trifluoromethyl)-sulphonyl]amide salts have been recently reported to be distillable.



H27150	1,3-Bis(2,6-diisopropylphenyl)imidazolium chloride, 97%
H36633	1,3-Dicyclohexylimidazolium tetrafluoroborate, 97%
H27798	1,3-Diisopropylimidazolium chloride, 97+%
H27535	1,3-Dimesitylimidazolium chloride, 95%
H27788	1,3-Dimethylimidazolium dimethyl phosphate, 98%
H59928	1,3-Dimethylimidazolium methyl sulfate, 98%
H59513	1-Allyl-3-methylimidazolium bromide, 97%
H26952	1-Allyl-3-methylimidazolium chloride, 98%
H59997	1-Benzyl-3-methylimidazolium chloride, 97%
H59548	1-Benzyl-3-methylimidazolium hexafluorophosphate, 97%
H59732	1-Benzyl-3-methylimidazolium tetrafluoroborate, 97%
H27270	1-Butyl-2,3-dimethylimidazolium chloride, 99%
H27827	1-Butyl-2,3-dimethylimidazolium hexafluorophosphate, 99%
H59225	1-Ethyl-2,3-dimethylimidazolium chloride, 97%

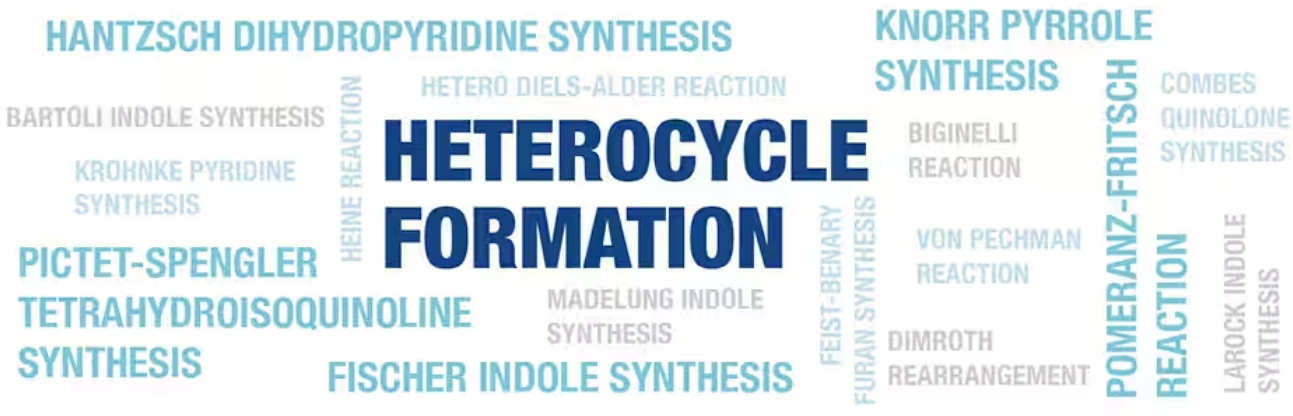
H60228	1-Ethyl-2,3-dimethylimidazolium hexafluorophosphate, 98%
H59541	1-Ethyl-2,3-dimethylimidazolium tetrafluoroborate, 98%
H59726	1-Ethyl-2,3-dimethylimidazolium trifluoromethanesulfonate, 98%
H59277	1-Ethyl-3-methylimidazolium acetate, 97%
L19761	1-Ethyl-3-methylimidazolium bromide, 98+%
H27651	1-Ethyl-3-methylimidazolium chloride, 98+%
H26901	1-Ethyl-3-methylimidazolium dicyanamide, 98%
H27400	1-Ethyl-3-methylimidazolium diethyl phosphate, 98%
H27571	1-Ethyl-3-methylimidazolium ethyl sulfate, 99%
L19762	1-Ethyl-3-methylimidazolium hexafluorophosphate, 98+%
H27232	1-Ethyl-3-methylimidazolium hydrogen sulfate, 98%
H59404	1-Ethyl-3-methylimidazolium iodide, 97%
H59480	1-Ethyl-3-methylimidazolium methyl sulfate, 98%
H59448	1-Ethyl-3-methylimidazolium nitrate, 98%
L19763	1-Ethyl-3-methylimidazolium tetrafluoroborate, 98+% (dry wt.), may cont. up to 3% water
H59493	1-Ethyl-3-methylimidazolium thiocyanate, 98%
L19764	1-Ethyl-3-methylimidazolium trifluoromethanesulfonate, 98+%
H35352	1-Methyl-3-n-octylimidazolium bis(trifluoromethylsulfonyl)imide, 99%
H59534	1-Methyl-3-n-octylimidazolium chloride, 97%

	H59990	1-Methyl-3-n-octylimidazolium hexafluorophosphate, 95%
	H27161	1-Methyl-3-n-octylimidazolium tetrafluoroborate, 99%
	H59599	1-Methyl-3-n-octylimidazolium trifluoromethanesulfonate, 97%
	H27682	1-Methyl-3-n-propylimidazolium iodide, 98%
	H27141	1-n-Butyl-2,3-dimethylimidazolium tetrafluoroborate, 99%
	H27201	1-n-Butyl-3-methylimidazolium bromide, 99%
	L19749	1-n-Butyl-3-methylimidazolium chloride, 96%
	H59175	1-n-Butyl-3-methylimidazolium dicyanamide, 97%
	H59893	1-n-Butyl-3-methylimidazolium di-n-butyl phosphate, 96%
	L19086	1-n-Butyl-3-methylimidazolium hexafluorophosphate, 98+%
	H27336	1-n-Butyl-3-methylimidazolium methanesulfonate, 99%
	H27754	1-n-Butyl-3-methylimidazolium methyl sulfate, 99%
	H27720	1-n-Butyl-3-methylimidazolium n-octyl sulfate, 99%
	L19087	1-n-Butyl-3-methylimidazolium tetrafluoroborate, 98+%
	L19765	1-n-Butyl-3-methylimidazolium trifluoromethanesulfonate, 98%
	H59179	1-n-Decyl-3-methylimidazolium tetrafluoroborate, 97%
	H27178	1-n-Hexyl-3-methylimidazolium chloride, 98%

Isoquinolines

Isoquinolines [2-Azanaphthalene; Benzo[c]pyridine] are heteroaromatic compounds, isomeric to quinoline with respect to the position of nitrogen in the ring. Quinoline and isoquinoline are generally referred to as benzopyridine compounds in which the benzene ring is fused to the pyridine ring at the beta bond and gamma bond, respectively. Isoquinoline is generally considered as a weak base with its low pKa value of 5.14. It can be protonated on the nitrogen atom to form salts by the addition of strong acids like HCl, HBr and the like; addition of Lewis acids (like BF3) forms adducts.

Isoquinoline derivatives have been extensively used in the pharmaceutical field. For example, quinapril, quinapirilat, and debrisoquine are used as antihypertensive agents, N-laurylisoquinolinium bromide used as disinfectant. In addition, there are many varieties of isoquinoline alkaloids which have been found from naturally occurring compounds as well as synthetic alkaloids of natural products. For example, 1-benzylisoquinoline is the structural backbone in naturally occurring alkaloids including papaverine. Other applications include dyes, paints, and as solvent for extracting resins and terpenes.



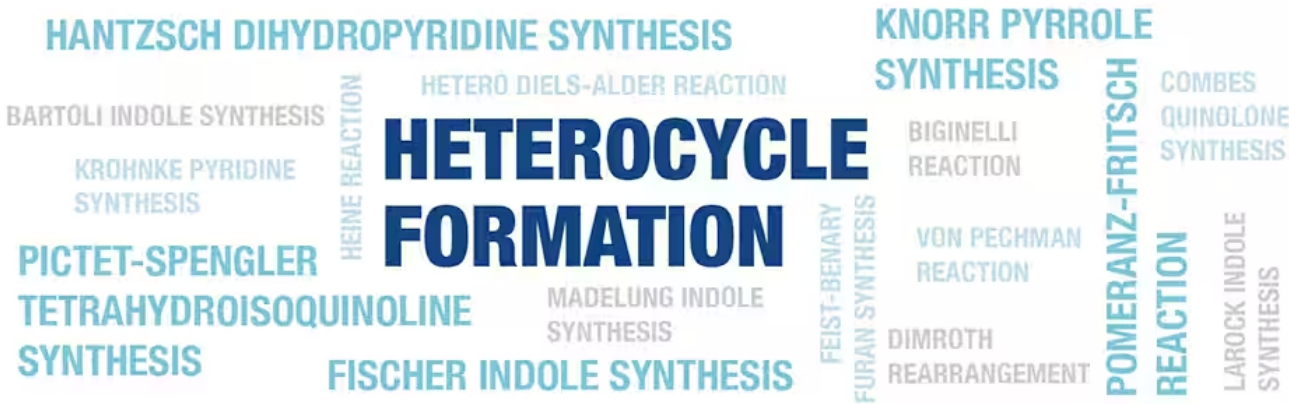
L08143	1,2,3,4-Tetrahydroisoquinoline, 96%
L17831	1-Chloroisoquinoline, 95%
H29124	1-Hydroxyisoquinoline, 97%
H64191	1-Methyl-1,2,3,4-tetrahydroisoquinoline, 95%
H27029	1-Methylisoquinoline, 97%
H33763	2-(2-Chloroacetyl)-6,7-dimethoxy-1,2,3,4-tetrahydroisoquinoline, 96%
H35471	2-Acetyl-7-amino-1,2,3,4-tetrahydroisoquinoline, 95%
H52402	2-Benzyl-6-nitro-1,2,3,4-tetrahydroisoquinoline hydrochloride, 97+%
H50700	2-Hydrazinoquinoline, 97%
L13587	2-Trifluoroacetyl-1,2,3,4-tetrahydroisoquinoline-7-sulfonyl chloride, 99%
H27731	3,4-Dihydro-1H-isoquinoline-2-carboxamidine hydriodide, 98%
H50368	3-Amino-1-bromoisoquinoline, 97+%
L19428	3-Hydroxyisoquinoline, 99%
H51923	4-(1,2,3,4-Tetrahydro-2-isoquinolinylmethyl)benzeneboronic acid pinacol ester, 95%

H54156	4-[2-(6,7-Dimethoxy-1,2,3,4-tetrahydroisoquinolinyl)ethyl]aniline, 97%
A15951	4-Bromoisoquinoline, 98%
H63034	5,8-Dibromoisoquinoline, 98%
L01223	5-Aminoisoquinoline, 99%
L19632	5-Bromoisoquinoline, 98%
B25052	5-Hydroxyisoquinoline, tech. 90%
A15311	5-Nitroisoquinoline, 98+%
B22469	6,7-Dimethoxy-1,2,3,4-tetrahydroisoquinoline hydrochloride, 97%
H64018	6,7-Dimethoxy-3,4-dihydroisoquinoline, 97%
H64130	6,7-Dimethoxy-3,4-dihydroisoquinoline hydrochloride, 98%
H66983	6-Amino-1,2,3,4-tetrahydroisoquinoline, 97%
H63527	6-Bromo-1,2,3,4-tetrahydroisoquinoline, 95%
H64512	6-Hydroxy-1,2,3,4-tetrahydroisoquinoline, 97%
H31910	6-Methoxy-1,2,3,4-tetrahydroisoquinoline hydrochloride, 95%
B25712	7-Bromo-1,2,3,4-tetrahydroisoquinoline, 97%
L19946	7-Bromo-1-chloroisoquinoline, 97%
L17800	7-Bromo-1-hydroxyisoquinoline, 97%
H25899	7-Bromoisoquinoline N-oxide, 98%
H63693	7-Chloro-1,2,3,4-tetrahydroisoquinoline, 95%

H63456	7-Chloro-1,2,3,4-tetrahydroisoquinoline hydrochloride, 98%
L17067	7-Hydroxyisoquinoline, 97%
H52389	7-Nitro-1,2,3,4-tetrahydroisoquinoline hydrochloride, 97+%
L19425	Isoquinoline-1-carbonitrile, 99%
L19426	Isoquinoline-3-carbonitrile, 99%
A19880	Isoquinoline-3-carboxylic acid hydrate, 99%
H61788	Isoquinoline-4-carboxaldehyde, 97%
H53230	Isoquinoline-5-boronic acid, 97%
H52470	Isoquinoline-5-boronic acid hydrochloride, 97%
L19636	Isoquinoline-5-carboxaldehyde, 97%
L19637	Isoquinoline-5-carboxylic acid, 96%
H61739	Isoquinoline-5-sulfonic acid, 95%
B21279	Isoquinoline, 97%
A19738	Isoquinoline N-oxide, 98%
L14794	Isoquinoline N-oxide, min 50% w/v in water
B20181	Methyl isoquinoline-3-carboxylate, 98%
B25412	Papaverine hydrochloride, 99%

Purines

Purines contain four nitrogen atoms and are characterized by the fusion of pyrimidine with imidazole ring. Purine is a weak base and relatively unreactive towards electrophilic aromatic substitutions, similar to pyridines. There are many natural occurring purines available. Two of the five nucleic acid bases are adenine and guanine, which are derivatives of purine. Purines also play a vital role in biomolecules such as ATP, GTP, cyclic AMP, NADH, and coenzyme A. Purines can also function as neurotransmitters.



B20491	1,3-Di-n-butylxanthine, 98%
L13597	1-n-Hexyltheobromine, 98+%
A15649	2,6-Diaminopurine, 98%
B21289	2,6-Dichloropurine, 97%
H56373	2,6-Dimercaptopurine, 97%
B21629	2-Amino-6-bromopurine, 98%
A18195	2-Amino-6-chloropurine, 99%
L07777	2-Amino-6-hydroxy-8-mercaptopurine, 97%
H51672	2-Amino-6-iodopurine, 97%
H60869	2-Chloroadenine, 97%
B21606	2-Thioxanthine, 98+%
L14986	3-Methylxanthine, 98+%
A17262	6,8-Dihydroxy-2-(methylthio)purine, 98%
A14678	6-Benzyladenine, 99%
H25825	6-Chloro-2-fluoropurine, 97%
H63779	6-Chloro-9-(2-tetrahydropyranyl)purine, 99%
A11202	6-Chloropurine, 99%
H59634	6-Chloropurine riboside, 98%
A12197	6-Mercaptopurine monohydrate, 98%

B21280	6-Thioguanine, 98%
H29190	7-Methylxanthine, 98%
39214	Caffeine, 99.7%
A11532	Guanine hydrochloride, 98%
A11481	Hypoxanthine, 99%
A13720	Kinetin, 99%
B22709	N(2),9-Diacetylguanine, 99%
L08292	N-Benzoylaminopurine, 99%
H60274	O6-Benzylguanine, 98%
A11473	Theophylline-7-acetic acid, 98%
A13346	Uric acid, 99%
A11077	Xanthine, 99%

Pyrazolo[1,5-a]pyrimidines

Pyrazolopyrimidines are heterocyclic aromatic organic compounds. They are bicyclic systems in which the pyrazole ring is fused with a pyrimidine ring, and have considerable chemical and pharmacological importance as purine analogues.

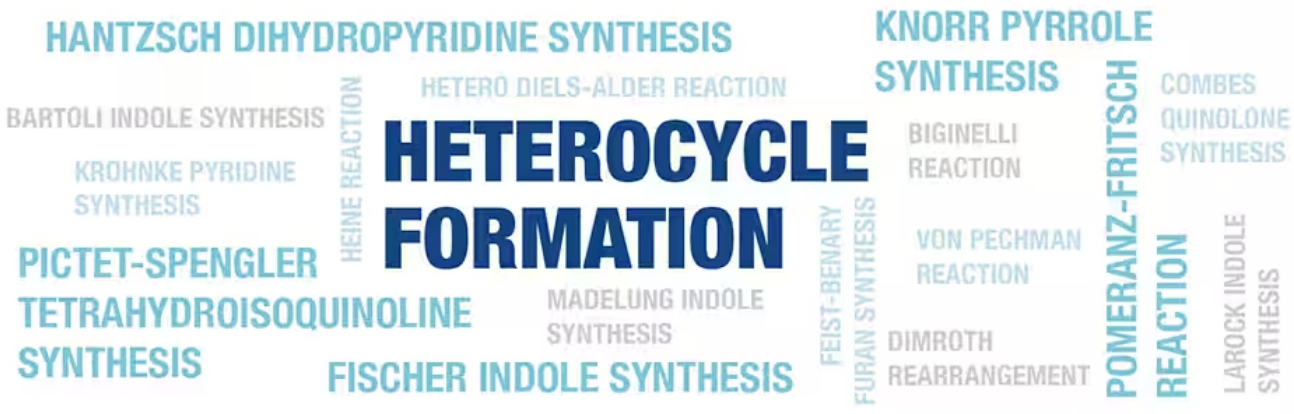
Pyrazolopyrimidine and its derivatives are reported to be important pharmacophores of several pharmaceutical substances, and have a privileged structure in medicinal chemistry. In the preparation of various drug and bio-active molecules, pyrazolopyrimidine derivatives are also used as intermediates, one example being the 3-cyano and 3-cyanomethyl derivatives of 7-(hetero) aryl pyrazolo[1,5-a]pyrimidine. Recent research revealed that pyrazolopyrimidines and their derivatives have also been identified as bioactive compounds to use as neuroleptic agents and as tuberculostatic. Pyrazolo[1,5-a]pyrimidine based compounds have been employed in the dye industries, for example, azopyrazolo pyrimidine dyes.

B20888	2,5-Dimethylpyrazolo[1,5-a]pyrimidin-7(4H)-one, 97%
B20771	2,7-Dimethylpyrazolo[1,5-a]pyrimidine-6-carboxylic acid, 97%
H33857	6-Bromo-2-methylpyrazolo[1,5-a]pyrimidine, 97%
H33701	6-Bromopyrazolo[1,5-a]pyrimidine-3-carbonitrile, 98%
H33855	6-Bromopyrazolo[1,5-a]pyrimidine, 97%
H33992	Ethyl 6-bromopyrazolo[1,5-a]pyrimidine-3-carboxylate, 98%
H26511	Ethyl pyrazolo[1,5-a]pyridine-3-carboxylate, 95%
H33977	Ethyl pyrazolo[1,5-a]pyrimidine-3-carboxylate, 95%
H50318	Pyrazolo[1,5-a]pyrimidine-3-carboxylic acid, 97%

Pyrimidines

Pyrimidines [1,3-Diazine] are six-membered heteroaromatic compounds containing two nitrogen atoms at the 1 and 3 positions of the ring. It is isomeric with two other forms of diazine, namely pyridazine and pyrazine. Pyrimidines are less basic in nature and relatively unreactive towards electrophilic aromatic substitutions as the ring pi electrons become less energetic. In the pyrimidine ring, the 2-, 4-, and 6-positions are electron deficient and the 5-position is relatively less electron deficient. Hence, electrophilic substitution through nitration and halogenation is relatively facile at the 5-position of the ring. In contrast to pyridine, the protonated pyrimidine pKa value is 1.23 compared to pyridine which is reported as a 5.30 (pKa value).

In general, pyrimidines serve as a form of energy for cells, and are essential for the production of DNA and RNA, proteins, starch, regulations of enzymes, cell signalling etc. In nucleic acids, three types of pyrimidine based nucleobases are present and named as cytosine (C), thymine (T), and uracil (U). Pyrimidine can be photolytically converted into uracil under ultraviolet light. The pyrimidine ring system can be viewed in many natural occurring compounds as a substituted pyrimidine and fused with other rings and derivatives. Pyrimidines have also been found in many synthetic compounds, such as barituates.



H50161	1-(2-Pyrimidinyl)homopiperazine
H50351	1-(2-Pyrimidinyl)piperidine-4-carboxylic acid, 95%
L08264	1,3-Dibenzyl-5-cyanohexahydropyrimidine, 99%
H31891	1,3-Dimethyl-2,4-dioxo-7-n-propyl-2,3,4,7-tetrahydropyrrolo[2,3-d]pyrimidine-6-carboxylic acid, 96%
L09968	1,3-Dimethyl-3,4,5,6-tetrahydro-2(1H)-pyrimidinone, 98%
H31650	1,3-Dimethyl-6-methylamino-2,4-dioxo-1,2,3,4-tetrahydropyrimidine-5-carboxaldehyde, 96%
A13692	1,3-Dimethylbarbituric acid, 99% (dry wt.), water <6%
B24707	1,3-Di-n-butyl-2-thiobarbituric acid, 98%
H33424	1-(4-Trifluoromethyl-2-pyrimidinyl)-1H-pyrazole-4-sulfonyl chloride, 95%
L12954	1-Benzyl-5-phenylbarbituric acid, 98+%
H51898	2-(1,3-Dimethyl-2,4,6-trioxohexahydropyrimidin-5-ylidenemethyl)thiophene-5-boronic acid pinacol ester, 95%
H33643	2-(1-Methylhydrazino)-4-(trifluoromethyl)pyrimidine, 97%
L15884	2-(1-Piperazinyl)pyrimidine, 99%
L01190	2,2'-Bipyrimidine, 96%

H64814	2-(2-Methyl-5-nitrophenylamino)-4-(3-pyridyl)pyrimidine, 98%
A18788	2,4,5,6-Tetraaminopyrimidine sulfate, 97%
H32453	2,4,5,6-Tetrafluoropyrimidine, 95%
B21989	2,4,5-Triamino-6-hydroxypyrimidine sulfate, 94%
L19506	2,4,5-Trichloropyrimidine, 98%
B23320	2,4,5-Trihydroxypyrimidine, 98%
B23360	2,4,6-Triaminopyrimidine, 98+%
H27471	2,4,6-Tribromopyrimidine, 95%
H55115	2,4,6-Trichloro-5-methylpyrimidine, 98%
H64866	2,4,6-Trichloropyrimidine-5-carboxaldehyde, 95%
A12842	2,4,6-Trichloropyrimidine, 98%
L04404	2,4,6-Trifluoropyrimidine, 98%
A10147	2,4-Diamino-6-hydroxy-5-nitrosopyrimidine, 97%
B21240	2,4-Diamino-6-hydroxypyrimidine, 96%
H27616	2,4-Dibenzyloxypyrimidine-5-boronic acid neopentyl glycol ester, 95%
H56153	2,4-Dichloro-5-methoxypyrimidine, 97%
H55206	2,4-Dichloro-5-methylpyrimidine, 98%
H27644	2,4-Dichloro-5-nitropyrimidine, 97%
H31822	2,4-Dichloro-5-(trifluoromethyl)pyrimidine, 97%

A10363	2,4-Dichloro-6-methylpyrimidine, 98%
H65715	2,4-Dichloro-6-(trifluoromethyl)pyrimidine , 95%
A15131	2,4-Dichloropyrimidine, 98+%
H51088	2,4-Dimethoxy-5-methylpyrimidine, 97%
H25799	2,4-Dimethoxypyrimidine, 98+%
H54410	2,4-Dioxo-1,2,3,4-tetrahydropyrimidine-5-sulfonyl chloride, 97%
H27361	2-(4-Ethylphenyl)-5-n-propylpyrimidine, 99+%
B22601	2-(4-n-Hexyloxyphenyl)-5-n-octylpyrimidine, 97%
H64066	2,5-Dichloropyrimidine, 95%
H32374	2,6-Dichloro-4-(4-fluorobenzoyl)pyrimidine, 95%
H54596	2,6-Dichloropyrimidine-4-carboxylic acid, 97%
H34212	2-Amino-4-(2-bromophenyl)pyrimidine, 95%
H54957	2-Amino-4-(2-chloro-3-pyridyl)pyrimidine, 97%
H34024	2-Amino-4-(3-bromophenyl)pyrimidine, 95%
H33901	2-Amino-4-(3-methoxyphenyl)pyrimidine, 95%
H33561	2-Amino-4-(4-bromophenyl)pyrimidine, 98%
H50357	2-Amino-4-(4-methylphenyl)pyrimidine, 96%

H27844	2-Amino-4,6-dichloropyrimidine-5-carboxaldehyde, 96%
A11330	2-Amino-4,6-dichloropyrimidine, 98%
A11813	2-Amino-4,6-dihydroxypyrimidine, 98%
B20152	2-Amino-4,6-dimethoxypyrimidine, 98%
A13674	2-Amino-4,6-dimethylpyrimidine, 98%
H64358	2-Amino-4-bromopyrimidine, 98%
H54552	2-Amino-4-chloro-5,6-dimethylpyrimidine, 97%
H50538	2-Amino-4-chloro-6-(4-morpholinyl)pyrimidine, 99%
H25997	2-Amino-4-chloro-6-isopropylpyrimidine, 97%
H66703	2-Amino-4-chloro-6-methoxypyrimidine, 99%
L06896	2-Amino-4-chloro-6-methylpyrimidine, 98%
H55007	2-Amino-4-chloropyrimidine, 98%
43432	2-Amino-4-hydroxy-5,6-dimethylpyrimidine, 97%
B24604	2-Amino-4-hydroxy-6-methylpyrimidine, 98%
A18533	2-Amino-4-hydroxy-6-(trifluoromethyl)pyrimidine, 97%
B24673	2-Amino-4-methoxy-6-methylpyrimidine, 99%
H54375	2-Amino-4-methylpyrimidine-5-boronic acid pinacol ester, 96%
A16081	2-Amino-4-methylpyrimidine, 97%

H50358	2-Amino-4-(trifluoromethyl)pyrimidine, 99%
H60838	2-Amino-5-bromo-4,6-dimethylpyrimidine, 98%
H54186	2-Amino-5-bromo-4-methylpyrimidine, 96%
H64470	2-Amino-5-bromo-4-(trifluoromethyl)pyrimidine, 95%
H27291	2-Amino-5-bromopyrimidine, 97%
L19248	2-Amino-5-chloropyrimidine, 97%
B22705	2-Amino-5-iodopyrimidine, 97%
H66799	2-Amino-5-methoxypyrimidine, 97%
H50524	2-Amino-6-chloro-4-(diethylamino)pyrimidine
H66403	2-Aminopyrimidine-5-boronic acid, 95%
H54451	2-Aminopyrimidine-5-boronic acid pinacol ester, 96%
H54440	2-Aminopyrimidine-5-carboxaldehyde, 97%
B24594	2-Aminopyrimidine, 98%
H27648	2-Benzyloxy-5-bromopyrimidine, 95%
H54503	2-Bromo-4-methylpyrimidine, 97%
H66877	2-Bromo-5-methylpyrimidine, 95%
A13791	2-Bromopyrimidine, 98+%
L06671	2-Carboxymethylthio-4-methylpyrimidine, 98%

A10659	2-(Carboxymethylthio)pyrimidine, 98%
H63212	2-Chloro-4-[2-(4-fluorophenyl)ethyl]-6-methylpyrimidine, 97%
H50331	2-Chloro-4,6-dimethylpyrimidine, 99%
H63955	2-Chloro-4-hydroxy-6-methyl-5-nitropyrimidine, 97%
H31903	2-Chloro-4-methylpyrimidine, 99%
H26856	2-Chloro-5-ethylpyrimidine, 98%
H55055	2-Chloro-5-fluoropyrimidine, 97%
H63423	2-Chloro-5-iodopyrimidine, 95%
H60155	2-Chloro-5-methoxypyrimidine, 97%
H64773	2-Chloro-5-methylpyrimidine, 97%
B21889	2-Chloro-5-n-decylpyrimidine, 99%
H27808	2-Chloro-5-n-pentylpyrimidine, 98%
H27409	2-Chloro-5-n-propylpyrimidine, 98%
H64949	2-Chloropyrimidine-5-boronic acid, 96%

Quinazolines

Quinazolines (also known as benzopyrimidine, phenmiazine, and benzo-1,3-diazine) are heterocyclic aromatic organic compounds with two nitrogen atoms at 1,3-positions. It has a bicyclic structure, consisting of benzene ring fused to C4-C5 bond of the pyrimidine ring. It is isomeric with other napthyridines including quinoxaline, phthalazine and cinnoline.

The pi electrons of the 3,4-double bond in quinazoline are highly delocalized and exhibit enhanced reactivity towards nucleophilic reagents. Quinazolines are very reactive towards anionic reagents, which attack position 4. Examples such as sodium bisulfite and hydrogen cyanide add across the 3,4-double bond of quinazoline.

Quinazoline-based structures have been the focus of researchers largely because of their occurrence as a common core structure in several natural products, such as alkaloids. As a result, quinazoline derivatives have been widely used for drug design and the synthesis of several biologically active compounds by incorporating various functional groups at different positions of the ring. Quinazoline derivatives substituted at the 2-position possess multiple therapeutic activities like anti-allergic, analgesic, anticancer, PDE 2 and PDE 5 inhibitors, and anti-inflammatory activities. An increase in the number of biochemical targets have been reported for quinazolines; for a review, see: Marzaro G1, et al., □Quinazoline derivatives as potential anticancer agents: a patent review (2007 - 2010)□, Expert Opin Ther Pat., 2012, 22(3), 223-52.

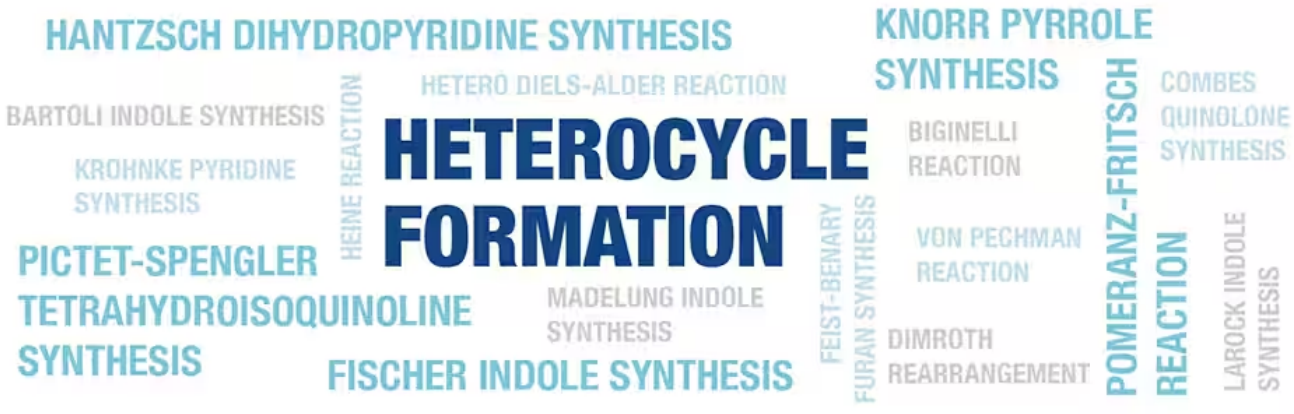
H63968	2,4,6,8-Tetrachloroquinazoline, 97%
B20880	2,4-Diamino-5-fluoroquinazoline, 97%
L12330	2,4-Diamino-6-nitroquinazoline, 98%
L13783	2,4-Diaminoquinazoline, 98+%
L06051	2,4-Dichloro-6,7-dimethoxyquinazoline, 97%
H63018	2,4-Dichloro-6-methylquinazoline, 97%
H54833	2,4-Dioxo-1,2,3,4-tetrahydroquinazoline-6-sulfonyl chloride, 97%
L14558	2-Amino-6-methyl-4(3H)-quinazolone, 96%
A18152	3-Phenyl-4(3H)-quinazolinone, 98%
H54229	4-[3-Chloro-4-(3-fluorobenzyloxy)phenylamino]-6-iodoquinazoline, 97%
A14952	4-Amino-2-chloro-6,7-dimethoxyquinazoline, 98+%
H66948	4-Aminoquinazoline, 97%
H63458	4-Chloro-2-(4-morpholinyl)quinazoline, 97%
H28405	4-Chloro-6,7-dimethoxyquinazoline, 98%

	A17129	4-Hydroxyquinazoline, 98%
	L08411	6,7-Dimethoxyquinazoline-2,4-dione, 98%
	H63603	6-Bromo-2,4-dichloroquinazoline, 97%
	H63547	6-Bromoquinazoline-2,4(1H,3H)-dione, 97%
	H63396	6-Methoxyquinoxaline, 98%
	H34131	7-Benzyloxy-6-methoxy-4(3H)-quinazolinone, 96%
	H66128	8-Bromo-2-chloro-6-fluoroquinazoline, 95%
	L06709	Ethyl 4-quinazolone-2-carboxylate, 98%
	B24094	Quinazoline, 98%

Tetrazoles

Tetrazoles are five-membered heterocyclic aromatic organic compounds with four nitrogen atoms in the ring. Tetrazoles are known to tautomerize with the position of the hydrogen atom attached to nitrogen being indeterminate. The delocalization energy in tetrazole is 209 kJ/mol. Tetrazoles are metabolically stable bioisosteres of the carboxylate group, and hence used extensively in drug discovery research.

Tetrazoles have attracted attention by researchers due to its importance in a variety of synthetic and industrial processes. Tetrazole structures have been found in many pharmaceutical drugs as antihypertensives. Anti-allergic and antibiotic activity drugs include the tetrazole ring in their structure. In addition to other applications, tetrazole-containing coordination complexes are used in medical chemistry. Modern anti-corrosion compositions for the protection of metal surfaces involve the use of stable complexes of tetrazole with non-ferrous metal ions. Dimethylthiazolyldiphenyl tetrazolium salt (MTT), one of the popular tetrazole derivatives, is used to quantify the respiratory activity of live cells in cell culture. As a component of filtering materials, they are employed for the purification of biological fluids (like blood etc.) from heavy metal ions.



H36528	1-(2-Bromoethyl)-4-ethyl-1,4-dihydro-5H-tetrazol-5-one, 95%
B22003	1-(4-Hydroxyphenyl)-5-mercaptotetrazole, 96%
L16185	1,5-Pentamethylene-1H-tetrazole, 98%
A12656	1-Phenyl-1H-tetrazole-5-thiol, 99%
H27672	2-(1H-Tetrazol-5-yl)phenol, 97%
H27581	3-(1H-Tetrazol-5-yl)benzoic acid, 97%
H26985	3-(1H-Tetrazol-5-yl)benzyl alcohol, 96%
H52537	3-(1H-Tetrazol-5-ylcarbamoyl)benzeneboronic acid hydrochloride, 97%
H27529	3-(1H-Tetrazol-5-yl)phenol, 97%
H27311	4-(1H-Tetrazol-5-yl)aniline, 97%
H50470	4-(1H-Tetrazol-5-yl)benzaldehyde, 99%
H26938	4-(1H-Tetrazol-5-yl)benzoic acid, 97%
H26964	4-(1H-Tetrazol-5-yl)benzyl alcohol, 97%
H53245	4-(1H-Tetrazol-5-ylcarbamoyl)benzeneboronic acid hydrochloride, 97%

H26918	4-(1H-Tetrazol-5-yl)phenol, 97%
B20921	5-(2,3-Dichlorophenyl)-1H-tetrazole, 97%
L15642	5-(2,4-Dichlorophenyl)-1H-tetrazole, 97%
L17735	5-(2,5-Dichlorophenyl)-1H-tetrazole, 97%
L19258	5-(2,6-Dichlorophenyl)-1H-tetrazole, 97%
B21966	5-(2-Bromophenyl)-1H-tetrazole, 98+%
H50436	5-(2-Chloro-6-fluorobenzyl)-2H-tetrazole
L11164	5-(2-Chlorophenyl)-1H-tetrazole, 98%
L19259	5-(2-Fluorophenyl)-1H-tetrazole, 95%
L19260	5-(2-Methoxyphenyl)-1H-tetrazole, 98%
L19262	5-(2-Methylphenyl)-1H-tetrazole, 99%
B20852	5-(2-Pyridyl)-1H-tetrazole, 98%
L15643	5-(3,4-Dichlorophenyl)-1H-tetrazole, 97%
L17736	5-(3,5-Dichlorophenyl)-1H-tetrazole, 97%
L17956	5-(3-Benzyloxyphenyl)-1H-tetrazole, 99%
L15180	5-(3-Bromophenyl)-1H-tetrazole, 97%
L10699	5-(3-Chlorophenyl)-1H-tetrazole, 98+%
L15558	5-(3-Fluorophenyl)-1H-tetrazole, 97%
L19263	5-(3-Methylphenyl)-1H-tetrazole, 99%

L17955	5-(3-Phenoxyphenyl)-1H-tetrazole, 98%
B20492	5-(3-Pyridyl)-1H-tetrazole, 98%
L15268	5-(3-Trifluoromethoxyphenyl)-1H-tetrazole, 97%
L15181	5-(4-Bromophenyl)-1H-tetrazole, 97%
L15559	5-(4-Fluorophenyl)-1H-tetrazole, 97%
L17210	5-(4-Methoxyphenyl)-1H-tetrazole, 98%
L17209	5-(4-Methylphenyl)-1H-tetrazole, 98%
L19264	5-[4-(Methylthio)phenyl]-1H-tetrazole, 99%
L09531	5-(4-Nitrophenyl)-1H-tetrazole, 97%
B20741	5-(4-Pyridyl)-1H-tetrazole, 98%
H50677	5-[4-(Trifluoromethyl)phenyl]-1H-tetrazole, 95%
L16345	5-(5-Bromo-2-thienyl)-1H-tetrazole, 98+%
L16346	5-(5-Bromo-3-pyridyl)-1H-tetrazole, 95%
L15269	5-(5-Chloro-2-thienyl)-1H-tetrazole, 97%
B24018	5-Amino-1H-tetrazole monohydrate, 99%
H50675	5-Benzyl-1H-tetrazole, 99%
H61643	5-Chloromethyl-1H-tetrazole, 95%

	B20443	5-Mercapto-1-methyltetrazole, 98%
	H60248	5-Methyl-1H-tetrazole, 97%
	B25664	5-Phenyl-1H-tetrazole, 99%

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