

Furfurylamine

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Hot Keywords: 18162-48-6,872-50-4,Methylene Chloride,naphthalene,THF,Titanium Dioxide

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Furfurylamine

Request For Quotation

Furfurylamine Suppliers list

Company Name: [Honest Joy Holdings Limited](#)
 Name:
 Tel: 0755-36694831 +8613717124449
 Email: sale@feiyang.com.cn
 Products Intro: Product Name:Furfurylamine
 CAS:617-89-0
 Purity:0.99

Company Name: [Suzhou Actchem Co., Ltd.](#)
 Name:
 Tel: +8618762124502
 Email: actchem@qq.com
 Products Intro: Product Name:Furfurylamine
 CAS:617-89-0
 Purity:99.5% Package:200Kg/Drum/

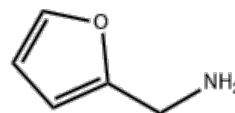
Company Name: [changzhou huayang technology co., ltd](#)
 Name:
 Tel: +8615250961469
 Email: 2571773637@qq.com
 Products Intro: Product Name:Furfurylamine
 CAS:617-89-0
 Purity:99%min

Company Name: [Hebei Mojin Biotechnology Co., Ltd](#)
 Name:
 Tel: +86 13288715578 +8613288715578
 Email: sales@hbmojin.com
 Products Intro: Product Name:Furfurylamine
 CAS:617-89-0
 Purity:99% Package:25KG

Company Name: [Hebei Yanxi Chemical Co., Ltd.](#)
 Name:

Furfurylamine Basic information

Product Name: Furfurylamine
 Synonyms: AKOS BBS-00003604;1-(2-FURYL)METHYLAMINE;2-AMINOMETHYLFURAN;2-FURANMETHYLAMINE;2-FURFURYLAMINE;1-(2-furyl)-methylamin;alpha-Furfurylamine;Methylamine, 1-(2-furyl)-
 CAS: **617-89-0**
 MF: C5H7NO
 MW: 97.12
 EINECS: 210-536-9
 Product Categories: pharmaceutical;Building Blocks;C4 to C7;Chemical Synthesis;Heterocyclic Building Blocks;Heterocycles;Miscellaneous Reagents;Pharmaceutical Intermediates;Furans;Anilines, Aromatic Amines and Nitro Compounds;Furan&Benzofuran;Amines;K00001
 Mol File: 617-89-0.mol



Furfurylamine Chemical Properties

Melting point: -70 °C(lit.)
 Boiling point: 145-146 °C(lit.)
 density: 1.099 g/mL at 25 °C(lit.)
 vapor density: 3.35 (vs air)
 vapor pressure: 4 mm Hg (20 °C)
 refractive index: n₂₀/D 1.490(lit.)
 Fp: 116 °F
 storage temp.: Store below +30°C.
 solubility: Chloroform, Ethyl Acetate (Slightly)
 form: Liquid
 pka: 9.12±0.29(Predicted)
 color: Clear colorless to yellow-brown
 PH: 11.6 (100g/l, H2O, 20°C)
 Odor: strong fishy ammonia-like odor
 explosive limit: 1.8%(V)
 Water Solubility: soluble
 Sensitive: Air Sensitive
 BRN: 1614

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EPA Substance Registry System [Furfurylamine \(617-89-0\)](#)**Furfurylamine manufacturers****2-Furfurylamine**

\$5.00 / 1KG
2024-09-29
 CAS:617-89-0
 Min. Order: 1KG
 Purity: 99%
 Supply Ability: 10000kg

Furfurylamine

\$20.00 / 1kg
2024-08-15
 CAS:617-89-0
 Min. Order: 1kg
 Purity: 0.99
 Supply Ability: 10 tons

Furoseimide Impurity 1

\$0.00 / 10mg
2024-04-10
 CAS:
 Min. Order: 10mg
 Purity: 90%+
 Supply Ability: 10g

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Feb 22, 2024

Synthesis of furfurylamine

Furfurylamine (FLA) is a key furan-based compound for the production of food additives, fuel additives, polymers, fibers, per...

May 18, 2023

Safety Information

Hazard Codes	C,F,Xi
Risk Statements	10-21/22-34-20/21/22
Safety Statements	26-36/37/39-45-23-16
RIDADR	UN 2526 3/PG 3
WGK Germany	3
RTECS	LU9275000
Autoignition Temperature	350 °C DIN 51794
Hazard Note	Harmful/Corrosive/Flammable
TSCA	Yes
HazardClass	3
PackingGroup	III
HS Code	29321900
Toxicity	LD50 orally in Rabbit: 200 - 2000 mg/kg LD50 dermal Rat 100 mg/kg

MSDS Information

Provider	Language
Furfurylamine	English
SigmaAldrich	English
ACROS	English
ALFA	English

Furfurylamine Usage And Synthesis

Chemical Properties Furfurylamine is a colorless to light yellow aromatic amine in liquid form with an ammonia odor. Miscible with water, soluble in ethanol, ether. Deteriorates in air by absorbing carbon dioxide. Derived from furfural based on corn cobs, this green chemistry has proven useful in engine cleaners, and as an intermediate for pharmaceutical, industrial and agricultural chemicals.

Uses Furfurylamine is used as a water miscible solvent and as an intermediate in manufacturing pharmaceuticals like diuretics, antihypertensive, and antiseptic agents.

Furfurylamine also has use in the synthesis of Barmastine.

2-Furfurylamine is used in the synthesis of 2-Amino-N-(2-furylmethyl)propanamide, as a novel alanyl-glycine equivalent synthesized by bacilysin synthetase.

Preparation Synthesis of furfurylamine by Zn/HCl system: To a solution of furfuryloxime (2g, 18mmol) in hydrochloric acid (6.0M, 24ml) was added drop-wise zinc dust (4.71g, 72mmol), and the resultant solution was stirred at room temperature for 2 h. To the resulting slurry was added drop-wise a solution of ammonia (30%, 5.1 mL) and sodium hydroxide (6M, 24mL), the mixture was heated to 60° and stirred for 15mn. After, the resultant solution was cooled and filtered. Then, the mother liquid was extracted with cyclohexane, dried over anhydrous sodium sulfate and filtered. The solvent was removed under vacuum to afford the furfurylamine as a yellow liquid without further purification in 96% of yield (1.68g). The purity determined by NMR was found to be superior to 95%.

SIMPLE, NOVEL SYNTHESIS OF FURFURYLAMINE FROM FURFURAL BY ONE-POT REDUCTIVE AMINATION IN WATER USING ZINC METAL

General Description Furfurylamine appears as a colorless liquid. About the same density as water. Used as a corrosion inhibitor and to make soldering flux.

Air & Water Reactions Highly flammable. Soluble in water.

Reactivity Profile Amines, such as Furfurylamine, are chemical bases. They neutralize acids to form salts or

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Health Hazard	May cause toxic effects if inhaled or ingested/swallowed. Contact with substance may cause severe burns to skin and eyes. Fire will produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution.
Fire Hazard	Flammable/combustible material. May be ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard. Containers may explode when heated. Many liquids are lighter than water.
Flammability and Explosibility	Flammable
Safety Profile	Poison by intraperitoneal route. A skin, eye, and mucous membrane irritant. A dangerous fire hazard when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO ₂ , dry chemical. When heated to decomposition it emits toxic fumes of NO _x . See also MINES.

Furfurylamine Preparation Products And Raw materials

Preparation Products	Furosemide-->FUBERIDAZOLE-->N-(2-FURYL METHYL)-N-(THIEN-2-YLMETHYL)AMINE-->N-FURAN-2-YLMETHYL-SUCCINAMIC ACID-->6-Chloro-4-(furfuryl amino)pyrimidine, 96%-->4-cyano-N-(furan-2-ylmethyl)benzene-1-sulfonamide-->2-[(2-furylmethyl)amino]nicotinonitrile-->4-(4-CHLORO-6-[(FURAN-2-YLMETHYL)-AMINO]-[1,3,5]TRIAZIN-2-YLAMINO)-PHENOL-->2-CYANO-3-FURANE-2-YL-ACRYLIC ACID ETHYL ESTER-->Acetamide,N-(2-furanylmethyl)-
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Tag:Furfurylamine(617-89-0) Related Product Information

Trimethylamine trimethylamine oxide Meglumine Flunixin meglumine SILIBININ-N-METHYLGLUCAMINE, 95% (HPLC) 3-FURYL METHYLAMINE [5-METHYL-2-(TRIFLUOROMETHYL)-3-FURYL]METHYLAMINE Furfurylamine, tetrahydro- Furan-2-carbohydrazide 1-FURFURYL PYRROLE N,N-DIMETHYL-5-METHYLFURFURYLAMINE Furosemide N-(2-FURYL METHYL)MALEIMIDE 2-FURFURYL ISOTHIOCYANATE Methylamine (R)-(-)-Tetrahydrofurfurylamine N-(4-Chloro-3-sulfamoylbenzenesulfonyl)-N-methyl-2-furfurylamine 5-Methyl-2-furanmethanamine

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