



LKT Laboratories, Inc.

5-Aminopyrimidine

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Product Information

Product ID A016495

CAS No. 591-55-9

Chemical Name 5-Aminopyrimidine

Synonym pyrimidin-5-amine; 5-pyrimidinamine; PYRIMIDIN-5-YLAMINE

Formula $C_4H_5N_3$

Formula Wt. 95.11

Melting Point 171-173°C

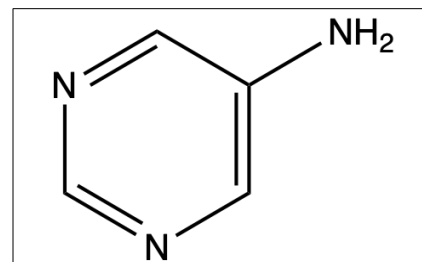
Purity ≥98%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description 5-Aminopyrimidine is a useful building block in preparation of several biologically active analogs.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A016495	500 mg	\$102.20
A016495	1 g	\$174.30
A016495	5 g	\$438.70

References Xu Y, Liu X, Chen X, et al. Directed evolution of a nonheme diiron N-oxygenase AzoC for improving its catalytic efficiency toward nitrogen heterocycle substrates. *Molecules*. 2022 Jan 27;27(3):868. PMID: 35164125.

Elkamhawy A, Paik S, Hassan A, et al. Hit discovery of 4-amino-N-(4-(3-(trifluoromethyl)phenoxy)pyrimidin-5-yl)benzamide: a novel EGFR inhibitor from a designed small library. *Bioorg Chem*. 2017 Dec;75:393-405. PMID: 29102722.

Wong F, Huang Y, Chang C. Evaluation of electrophilic heteroaromatic substitution: synthesis of heteroaromatic-fused pyrimidine derivatives via sequential three-component heterocyclization. *J Org Chem*. 2012 Oct 5;77(19):8492-8500. PMID: 22950851.

Okada M, Yoden T, Kawaminami E, et al. Studies on aromatase inhibitors. IV. Synthesis and biological evaluation of N,N-disubstituted-5-aminopyrimidine derivatives. *Chem Pharm Bull (Tokyo)*. 1997 Aug;45(8):1293-1299. PMID: 9301028.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.