

2-Amino-5-phenylpyridine

Chemical Properties

CAS No. :	33421-40-8
Formula:	C ₁₁ H ₁₀ N ₂
Molecular Weight:	170.21
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	2-Amino-5-phenylpyridine is a structurally stable aromatic pyridine-based organic small molecule. 2-Amino-5-phenylpyridine serves as a key synthetic intermediate for the construction of various bioactive molecules containing pyridine rings. 2-Amino-5-phenylpyridine is found in foods such as grilled sardines and is considered a potential carcinogen.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (470.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8751 mL	29.3755 mL	58.751 mL
5 mM	1.175 mL	5.8751 mL	11.7502 mL
10 mM	0.5875 mL	2.9375 mL	5.8751 mL
50 mM	0.1175 mL	0.5875 mL	1.175 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Dooley KL, et al. Comparative carcinogenicity of the food pyrolysis product, 2-amino-5-phenylpyridine, and the known human carcinogen, 4-aminobiphenyl, in the neonatal B6C3F1 mouse. *Cancer Lett.* 1988 Jul;41(1):99-103.

Stavenuiter JF, et al. Syntheses of 5-phenyl-2-pyridinamine, a possibly carcinogenic pyrolysis product of phenylalanine, and some of its putative metabolites. *Carcinogenesis.* 1985 Jan;6(1):13-9.

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