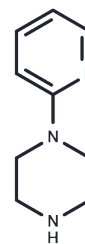


1-(2-Pyridyl)piperazine

Chemical Properties

CAS No. :	34803-66-2
Formula:	C ₉ H ₁₃ N ₃
Molecular Weight:	163.22
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	1-(2-Pyridyl)piperazine (NSC-13778) is a selective α 2-adrenoceptor antagonists. 1-(2-Pyridyl)piperazine shows sympatholytic activity. 1-(2-Pyridyl)piperazine is also a metabolite of Azaperone.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	H ₂ O: 100 mg/mL (612.67 mM),Sonication is recommended. DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.1267 mL	30.6335 mL	61.267 mL
5 mM	1.2253 mL	6.1267 mL	12.2534 mL
10 mM	0.6127 mL	3.0634 mL	6.1267 mL
50 mM	0.1225 mL	0.6127 mL	1.2253 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

Saari WS, et al. Pyridinylpiperazines, a new class of selective alpha 2-adrenoceptor antagonists. J Med Chem. 1983 Dec;26(12):1696-701.

Caccia S, et al. Identification and quantitation of 1-arylpiperazines, metabolites resulting from side-chain cleavage of (4-substituted aryl-1-piperazinyl)alkyl heterocyclic derivatives in rat plasma and brain. J Chromatogr. 1984 Jan 20;283:211-21.

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