

Norspermine

Chemical Properties

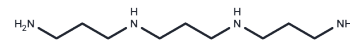
CAS No. : 4605-14-5

Formula: C₉H₂₄N₄

Molecular Weight: 188.31

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	Norspermine is a polyamine analogue ,used in the treatment of non-small cell lung carcinoma and breast cancer.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 30 mg/mL (159.31 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	5.3104 mL	26.552 mL	53.1039 mL
5 mM	1.0621 mL	5.3104 mL	10.6208 mL
10 mM	0.531 mL	2.6552 mL	5.3104 mL
50 mM	0.1062 mL	0.531 mL	1.0621 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

Koei H , Shigeru M . Widespread Occurrence of Norspermidine and Norspermine in Eukaryotic Algae[J]. Journal of Biochemistry(4):4.

Porter C W , Bernacki R J , Miller J , et al. Antitumor Activity of N1,N11-Bis(ethyl)norspermine against Human Melanoma Xenografts and Possible Biochemical Correlates of Drug Action[J]. Cancer Research, 1993, 53(3):581-586.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481