

## Spermine

## Chemical Properties

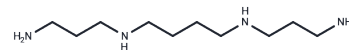
CAS No. : 71-44-3

Formula: C<sub>10</sub>H<sub>26</sub>N<sub>4</sub>

Molecular Weight: 202.34

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	Spermine (Neuridine) is a biogenic polyamine formed from spermidine. It is found in a wide variety of organisms and tissues and is an essential growth factor in some bacteria.
Targets(IC50)	Endogenous Metabolite, Influenza Virus

## Solubility Information

Solubility	DMSO: Slightly soluble, H <sub>2</sub> O: 62.5 mg/mL (308.89 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	4.9422 mL	24.7109 mL	49.4218 mL
5 mM	0.9884 mL	4.9422 mL	9.8844 mL
10 mM	0.4942 mL	2.4711 mL	4.9422 mL
50 mM	0.0988 mL	0.4942 mL	0.9884 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.

## Reference

Elustondo PA, et al. Biochim Biophys Acta. 2015 Feb;1847(2):231-40.

Wang Q, Zhao Y, Qin X, et al. Deciphering relationship between depression and microbial molecules based on multi-omics: A case study of Chaigui Granules. Chinese Herbal Medicines. 2024

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