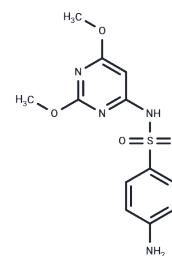


Sulfadimethoxine

Chemical Properties

CAS No. :	122-11-2
Formula:	C ₁₂ H ₁₄ N ₄ O ₄ S
Molecular Weight:	310.33
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Sulfadimethoxine (Sulphadimethoxine) is a sulfanilamide that is used as an anti-infective agent.
Targets(IC50)	Antibacterial,Antibiotic

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 55 mg/mL (177.23 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	3.2224 mL	16.1119 mL	32.2238 mL
5 mM	0.6445 mL	3.2224 mL	6.4448 mL
10 mM	0.3222 mL	1.6112 mL	3.2224 mL
50 mM	0.0644 mL	0.3222 mL	0.6445 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

Song KM, et al. Biosens Bioelectron. 2012 Mar 15;33(1):113-9.

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