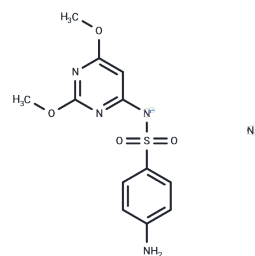


SulfadiMethoxine sodium

Chemical Properties

CAS No. :	1037-50-9
Formula:	C ₁₂ H ₁₃ N ₄ NaO ₄ S
Molecular Weight:	332.31
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Sulfadimethoxine is a antimicrobial agent, treatment of respiratory, urinary tract, enteric, and soft tissue infections
Targets(IC50)	Anti-infection,Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: 66 mg/mL (198.6 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0092 mL	15.0462 mL	30.0924 mL
5 mM	0.6018 mL	3.0092 mL	6.0185 mL
10 mM	0.3009 mL	1.5046 mL	3.0092 mL
50 mM	0.0602 mL	0.3009 mL	0.6018 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

Lingfeng D , Shaoju C , Yuqian H , et al. Influence of sulfadimethoxine (SDM) and sulfamethazine (SM) on anammox bioreactors: Performance evaluation and bacterial community characterization[J]. Bioresource

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