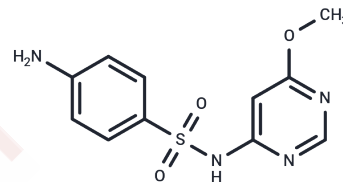


Sulfamonomethoxine

Chemical Properties

CAS No. :	1220-83-3
Formula:	C ₁₁ H ₁₂ N ₄ O ₃ S
Molecular Weight:	280.3
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Sulfamonomethoxine is a long-acting sulfonamide antibacterial agent, blocks the synthesis of folic acid by inhibiting synthetase of dihydropteroate.
Targets(IC50)	Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: 50 mg/mL (178.38 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	3.5676 mL	17.838 mL	35.6761 mL
5 mM	0.7135 mL	3.5676 mL	7.1352 mL
10 mM	0.3568 mL	1.7838 mL	3.5676 mL
50 mM	0.0714 mL	0.3568 mL	0.7135 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

Ma J, et al. Environ Sci Pollut Res Int. 2014 Jun;21(12):7436-48.

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