

Trimethoprim hydrochloride

Chemical Properties

CAS No. : 60834-30-2
Formula: C₁₄H₁₉ClN₄O₃
Molecular Weight: 326.78
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Trimethoprim hydrochloride, a bacteriostatic antibiotic and dihydrofolate reductase inhibitor, demonstrates efficacy against a broad spectrum of Gram-positive and Gram-negative aerobic bacteria. It has research applications for urinary tract infections, Shigellosis, and Pneumocystis pneumonia. Additionally, when combined with zinc, it can inhibit the infection of Influenza A virus in chick embryos [1] [2] [3] [4].
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0602 mL	15.3008 mL	30.6016 mL
5 mM	0.612 mL	3.0602 mL	6.1203 mL
10 mM	0.306 mL	1.5301 mL	3.0602 mL
50 mM	0.0612 mL	0.306 mL	0.612 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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