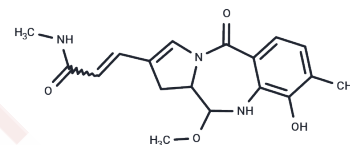


Mazethramycin B

Chemical Properties

CAS No. :	68373-95-5
Formula:	C ₁₈ H ₂₁ N ₃ O ₄
Molecular Weight:	343.38
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Mazethramycin B, an antitumor antibiotic derived from <i>S. thioluteus</i> , exhibits activity against nine bacterial species, such as <i>S. aureus</i> , <i>B. subtilis</i> , and <i>K. pneumoniae</i> [MICs = 3.12, 1.56, and 3.12 mg/ml, respectively], as well as the fungus <i>C. pseudotropicalis</i> [MIC = 6.25 mg/ml]. Additionally, Mazethramycin B (31.3 mg/kg per day) enhances survival in an L1210 murine leukemia model.
Targets(IC50)	Others, Antibacterial, Antibiotic, Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9122 mL	14.5611 mL	29.1223 mL
5 mM	0.5824 mL	2.9122 mL	5.8245 mL
10 mM	0.2912 mL	1.4561 mL	2.9122 mL
50 mM	0.0582 mL	0.2912 mL	0.5824 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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