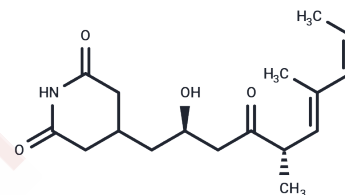


9-Methylstreptimidone

Chemical Properties

CAS No. :	51867-94-8
Formula:	C ₁₇ H ₂₅ NO ₄
Molecular Weight:	307.38
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	9-Methylstreptimidone (AntibioticTS 885; NSC 248958) is a microbial metabolite initially isolated from Streptomyces S-885, known for its antifungal and antiviral properties. It is effective against various fungi, such as <i>S. sake</i> , <i>S. fragilis</i> , <i>R. rubra</i> , <i>T. rubra</i> , and <i>C. albicus</i> , with a MIC of 4-20 µg/mL. Additionally, it shows in vitro antiviral activity against poliovirus, vesicular stomatitis virus (VSV), and Newcastle disease virus (NDV) with a MIC of 0.02 µg/mL. Administering 9-Methylstreptimidone before infection can increase survival rates in mouse models infected with influenza A2 (H2N2) or <i>Candida albicans</i> .
Targets(IC50)	Antibacterial, Influenza Virus

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2533 mL	16.2665 mL	32.533 mL
5 mM	0.6507 mL	3.2533 mL	6.5066 mL
10 mM	0.3253 mL	1.6267 mL	3.2533 mL
50 mM	0.0651 mL	0.3253 mL	0.6507 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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