

Antibacterial agent 118

Chemical Properties

CAS No. :

Formula: C19H21N5O2S

Molecular Weight: 383.47

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	Antibacterial agent 118 (also known as compound 20) is a potent antimycobacterial compound with activity against various mycobacterial strains, including Mtb H37Ra, M. aurum, M. smegmatis, Mtb H37Rv, and M. avium. The minimum inhibitory concentration (MIC) values for Antibacterial agent 118 against these strains are 40.7 μ M, 10.2 μ M, 163.0 μ M, 62.5 μ M, and 62.5 μ M, respectively. This compound holds potential for tuberculosis research [1].
Targets(IC50)	Others,Antibacterial
In vitro	Antibacterial agent 118 (1-1000 μ M; 24 h) shows cytotoxicity towards Hep G2 cells [1]. Cell Cytotoxicity Assay [1] Cell Line: Hep G2 cell line Concentration: 1-1000 μ M Incubation Time: 24 hours Result: Inhibited Hep G2 cells growth with IC 50 value of 68 μ M.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6078 mL	13.0388 mL	26.0777 mL
5 mM	0.5216 mL	2.6078 mL	5.2155 mL
10 mM	0.2608 mL	1.3039 mL	2.6078 mL
50 mM	0.0522 mL	0.2608 mL	0.5216 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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