

Antitubercular agent-36

Chemical Properties

CAS No. :	2883173-82-6
Formula:	C ₁₈ H ₁₇ N ₃ O ₃
Molecular Weight:	323.35
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year

Biological Description

Description	Antitubercular agent-36 (compound 53) is an effective inhibitor of Mycobacterium tuberculosis H37Rv, displaying a minimum inhibitory concentration (MIC ₉₀) of 1.25 µg/mL and is utilized in tuberculosis research [1].
In vitro	Antitubercular agent-36 exhibits an inhibitory effect on Mycobacterium tuberculosis H37Rv strain when administered at concentrations of 0-20 µg/mL over a period of 3-4 days, achieving a minimum inhibitory concentration (MIC 90) of 1.25 µg/mL [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0926 mL	15.4631 mL	30.9262 mL
5 mM	0.6185 mL	3.0926 mL	6.1852 mL
10 mM	0.3093 mL	1.5463 mL	3.0926 mL
50 mM	0.0619 mL	0.3093 mL	0.6185 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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