

Tuberculosis inhibitor 4

Chemical Properties

CAS No. :

Formula: C₂₃H₂₆N₂O₃S

Molecular Weight: 410.53

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	Tuberculosis inhibitor 4 (compound 16) is a spirothiazolidinone derived from mandelic acid, exhibiting potent antimycobacterial activity by inhibiting 98% of Mycobacterium tuberculosis strain H37Rv at concentrations below 6 µg/mL.
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4359 mL	12.1794 mL	24.3588 mL
5 mM	0.4872 mL	2.4359 mL	4.8718 mL
10 mM	0.2436 mL	1.2179 mL	2.4359 mL
50 mM	0.0487 mL	0.2436 mL	0.4872 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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