

Antitubercular agent-16

Chemical Properties

CAS No. :

Formula: C₂₁H₂₇N₃S

Molecular Weight: 353.52

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	Antitubercular agent-16 (Compound 5q) is a potent antitubercular agent exhibiting high efficacy against various strains of <i>M. tuberculosis</i> , including H37Rv, CF16, CF61, CF76, CF152, and CF161, with MIC 90 values ranging from 0.40 to 23.51 µg/mL. Notably, Antitubercular agent-16 demonstrates minimal cytotoxicity towards macrophages and pulmonary fibroblasts, further highlighting its potential as a therapeutic agent [1].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8287 mL	14.1435 mL	28.2869 mL
5 mM	0.5657 mL	2.8287 mL	5.6574 mL
10 mM	0.2829 mL	1.4143 mL	2.8287 mL
50 mM	0.0566 mL	0.2829 mL	0.5657 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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