

Antituberculosis agent-7

Chemical Properties

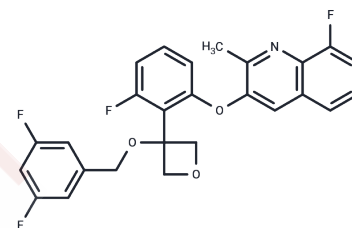
CAS No. : 2874263-73-5

Formula: C₂₆H₁₉F₄NO₃

Molecular Weight: 469.43

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	Antituberculosis agent-7, an oxetanyl-quinoline derivative, exhibits potent antibacterial activity against <i>P. mirabilis</i> with a minimum inhibitory concentration (MIC) of 31.25 μ M, antifungal efficacy against <i>A. niger</i> with a MIC of 62.5 μ M, and remarkable antimycobacterial activity with a MIC of 3.41 μ M against <i>M. tuberculosis</i> H37Rv [1].
Targets(IC50)	Others, Antibacterial, Antibiotic, Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1302 mL	10.6512 mL	21.3024 mL
5 mM	0.426 mL	2.1302 mL	4.2605 mL
10 mM	0.213 mL	1.0651 mL	2.1302 mL
50 mM	0.0426 mL	0.213 mL	0.426 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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