

Mtb-IN-11

Chemical Properties

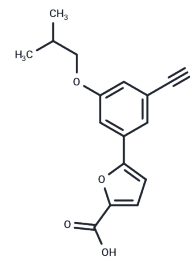
CAS No. :

Formula: C₁₆H₁₅N₃O₄

Molecular Weight: 285.295

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	Mtb-IN-11 (Compound 1e) is an inhibitor of Mycobacterium tuberculosis salicylate synthase (MbtI) with an IC ₅₀ of 11.2 μM. It exhibits strong in vitro antitubercular activity, with an MIC ₉₉ of 32 μM against Mycobacterium bovis BCG. Mtb-IN-11 is applicable for tuberculosis research.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5051 mL	17.5254 mL	35.0508 mL
5 mM	0.701 mL	3.5051 mL	7.0102 mL
10 mM	0.3505 mL	1.7525 mL	3.5051 mL
50 mM	0.0701 mL	0.3505 mL	0.701 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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