

MtlNhA-IN-1

Chemical Properties

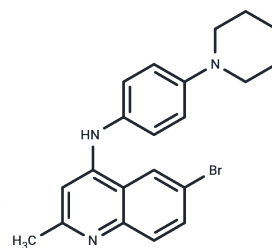
CAS No. :

Formula: C₂₁H₂₂BrN₃

Molecular Weight: 396.32

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	MtlNhA-IN-1 is a potent, selective, and orally active inhibitor targeting the Mycobacterium tuberculosis NADH-dependent enoyl-acyl carrier protein reductase (MtlNhA), demonstrating an IC ₅₀ of 0.23 μM. It exhibits strong efficacy against the M. tuberculosis H37Rv strain, with a MIC value of 0.4 μM.
Targets(IC ₅₀)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5232 mL	12.6161 mL	25.2321 mL
5 mM	0.5046 mL	2.5232 mL	5.0464 mL
10 mM	0.2523 mL	1.2616 mL	2.5232 mL
50 mM	0.0505 mL	0.2523 mL	0.5046 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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