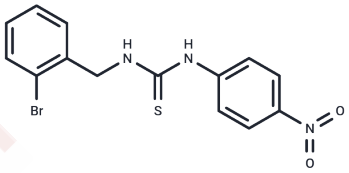
Data Sheet (Cat.No.T61411)

TargetMol

InhA-IN-4

Chemical Properties



CAS No. : 894309-72-9

Formula: C14H12BrN3O2S

Molecular Weight: 366.23

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	InhA-IN-4 (TU14) is a potent inhibitor of Mycobacterium tuberculosis InhA (enoyl ACP reductase), with potential anticancer and antiproliferative activities for studying Mycobacterium tuberculosis infections.
Targets(IC50)	Antibacterial
In vitro	InhA-IN-4 (TU14) exhibits antitubercular activity against Mycobacterium tuberculosis, with a MIC of 1.56 ± 0.82 μg/mL [1].InhA-IN-4 (TU14) shows antitubercular activity with a MIC of 1.56 ± 0.82 μg/mL against Mycobacterium tuberculosis [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7305 mL	13.6526 mL	27.3052 mL
5 mM	0.5461 mL	2.7305 mL	5.461 mL
10 mM	0.2731 mL	1.3653 mL	2.7305 mL
50 mM	0.0546 mL	0.2731 mL	0.5461 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.

Reference

Doğan ŞD, et al. Design and synthesis of thiourea-based derivatives as Mycobacterium tuberculosis growth and enoyl acyl carrier protein reductase (InhA) inhibitors. Eur J Med Chem. 2020 Aug 1;199:112402.

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