Data Sheet (Cat.No.T60866)

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YOUR TARGET MOLECULES

InhA-IN-3

Chemical Properties

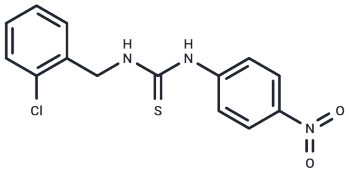
CAS No. : 900701-83-9

Formula: C14H12ClN3O2S

Molecular Weight: 321.78

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	InhA-IN-3 (TU13) is a potent inhibitor of Mycobacterium tuberculosis InhA (enoyl ACP reductase) with potential anticancer and antiproliferative activities for the study of Mycobacterium tuberculosis infections.
Targets(IC50)	Antibacterial
In vitro	InhA-IN-3 (Compound TU12) exhibits antitubercular activity against Mycobacterium tuberculosis, with a MIC of 0.78±0.59 μg/mL [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1077 mL	15.5386 mL	31.0771 mL
5 mM	0.6215 mL	3.1077 mL	6.2154 mL
10 mM	0.3108 mL	1.5539 mL	3.1077 mL
50 mM	0.0622 mL	0.3108 mL	0.6215 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.

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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