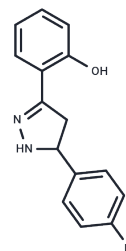


## Mycobactin-IN-2

## Chemical Properties

CAS No. :	421573-09-3
Formula:	C <sub>15</sub> H <sub>13</sub> BrN <sub>2</sub> O
Molecular Weight:	317.18
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	Mycobactin-IN-2 (compound 49) is an inhibitor of mycobactin biosynthesis that binds to salicyl-AMP ligase (MbtA), a key enzyme in the mycobactin biosynthetic pathway [1].
Targets(IC50)	Others,Antibacterial
In vitro	Mycobactin-IN-2 demonstrates significant efficacy against M. tuberculosis in iron-depleted media, achieving a MIC 90 of 8 µg/mL [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1528 mL	15.7639 mL	31.5278 mL
5 mM	0.6306 mL	3.1528 mL	6.3056 mL
10 mM	0.3153 mL	1.5764 mL	3.1528 mL
50 mM	0.0631 mL	0.3153 mL	0.6306 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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