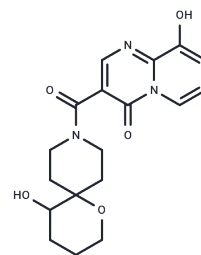


MBL-IN-3

Chemical Properties

CAS No. : 1452395-68-4
 Formula: C₁₈H₂₁N₃O₅
 Molecular Weight: 359.38
 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	MBL-IN-3 (compound 72922413), a potent inhibitor of New Delhi metallo-β-lactamase-1 (NDM-1) with an IC ₅₀ value of 54±4 μM, effectively reduces the minimum inhibitory concentrations (MICs) of Meropenem against clinical isolates of E. coli and K. pneumoniae that express NDM-1. This compound is utilized in studies focused on antibiotic sensitizer research [1].
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7826 mL	13.9128 mL	27.8257 mL
5 mM	0.5565 mL	2.7826 mL	5.5651 mL
10 mM	0.2783 mL	1.3913 mL	2.7826 mL
50 mM	0.0557 mL	0.2783 mL	0.5565 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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