

Metallo- β -lactamase-IN-12

Chemical Properties

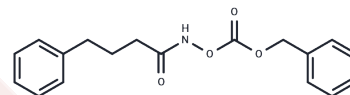
CAS No. : 3028594-43-3

Formula: C₁₈H₁₉NO₄

Molecular Weight: 313.35

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	Metallo- β -lactamase-IN-12 is a dual inhibitor targeting Metallo- β -lactamase [M β Ls (NDM-1, IMP-1)] and Serine β -lactamase [S β Ls (OXA-48, KPC-2)], displaying IC ₅₀ values of 0.64 μ M, 1.32 μ M, 1.01 μ M, and 0.57 μ M respectively. Metallo- β -lactamase-IN-12 also exhibits antibacterial activity.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1913 mL	15.9566 mL	31.9132 mL
5 mM	0.6383 mL	3.1913 mL	6.3826 mL
10 mM	0.3191 mL	1.5957 mL	3.1913 mL
50 mM	0.0638 mL	0.3191 mL	0.6383 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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