

## NDM-1 inhibitor-8

## Chemical Properties

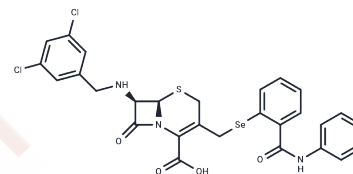
CAS No. :

Formula: C<sub>28</sub>H<sub>23</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>4</sub>Se

Molecular Weight: 647.43

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	NDM-1 inhibitor-8 (Compound 18b) is a covalent inhibitor of New Delhi metallo-β-lactamase-1 (NDM-1), with an IC <sub>50</sub> of 7.03 μM. It effectively inhibits resistant bacterial strains and demonstrates synergistic antibacterial effects when used in combination with Meropenem. In mouse models, NDM-1 inhibitor-8 exhibits anti-infective activity.
Targets(IC <sub>50</sub> )	Antibacterial, Beta-lactamase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5446 mL	7.7228 mL	15.4457 mL
5 mM	0.3089 mL	1.5446 mL	3.0891 mL
10 mM	0.1545 mL	0.7723 mL	1.5446 mL
50 mM	0.0309 mL	0.1545 mL	0.3089 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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