

Metallo- $\beta$ -lactamase-IN-11

## Chemical Properties

CAS No. :

Formula: C<sub>31</sub>H<sub>23</sub>N<sub>3</sub>O

Molecular Weight: 453.53

Appearance:

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

## Biological Description

Description	Metallo- $\beta$ -lactamase-IN-11 (compound 5f), a potent inhibitor of Metallo- $\beta$ -lactamases (MBLs), demonstrates efficacy against bacterial metallophylactamase CphA with an IC <sub>50</sub> value of 45 $\mu$ M. At 10 $\mu$ M, it inhibits NDM-1 by 49% and AIM-1 by 61%, indicating its potential for research on countering antibiotic resistance [1].
Targets(IC <sub>50</sub> )	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2049 mL	11.0246 mL	22.0493 mL
5 mM	0.441 mL	2.2049 mL	4.4099 mL
10 mM	0.2205 mL	1.1025 mL	2.2049 mL
50 mM	0.0441 mL	0.2205 mL	0.441 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.

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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