

ANT2681

## Chemical Properties

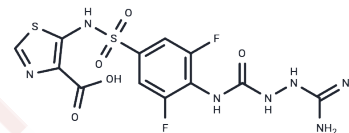
CAS No. : 2270184-16-0

Formula: C<sub>12</sub>H<sub>11</sub>F<sub>2</sub>N<sub>7</sub>O<sub>5</sub>S<sub>2</sub>

Molecular Weight: 435.39

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	ANT2681 is a potent NDM inhibitor with a $K_i$ value of 0.04 $\mu\text{M}$ for NDM-1. It also inhibits other MBLs such as VIM-1 and IMP-1, with $K_i$ values of 0.63 $\mu\text{M}$ and 3.81 $\mu\text{M}$ , respectively. ANT2681 can be used in combination with Meropenem to suppress infections caused by NDM-producing Enterobacteriaceae.
Targets(IC <sub>50</sub> )	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2968 mL	11.484 mL	22.9679 mL
5 mM	0.4594 mL	2.2968 mL	4.5936 mL
10 mM	0.2297 mL	1.1484 mL	2.2968 mL
50 mM	0.0459 mL	0.2297 mL	0.4594 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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