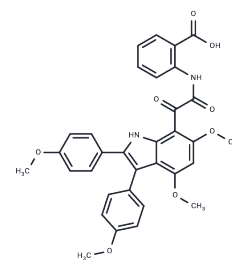


## Antibacterial agent 81

### Chemical Properties

CAS No. : 2873395-27-6  
 Formula: C33H28N2O8  
 Molecular Weight: 580.58  
 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	Antibacterial Agent 81, a DNA transcription inhibitor, effectively inhibits <i>S. aureus</i> USA300 and <i>M. smegmatis</i> ATCC14468, demonstrating minimum inhibitory concentrations (MICs) of 12.5 $\mu$ M and 7.8 $\mu$ M, respectively. This compound shows potential for infection research applications [1].
Targets(IC50)	Others,Antibacterial

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7224 mL	8.6121 mL	17.2242 mL
5 mM	0.3445 mL	1.7224 mL	3.4448 mL
10 mM	0.1722 mL	0.8612 mL	1.7224 mL
50 mM	0.0344 mL	0.1722 mL	0.3445 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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