

Antimicrobial-IN-1

Chemical Properties

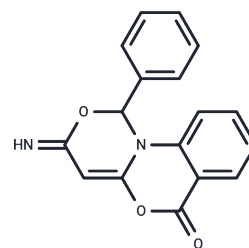
CAS No. :

Formula: C17H12N2O3

Molecular Weight: 292.289

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 | Antimicrobial-IN-1 (compound 17) demonstrates potent antibacterial activity against Staphylococcus aureus (S. aureus) and Escherichia coli (E. coli), exhibiting inhibition zone diameters of 18 mm/mg and 16 mm/mg, respectively. |
| Targets(IC50) | Antibacterial |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.4213 mL | 17.1063 mL | 34.2126 mL |
| 5 mM | 0.6843 mL | 3.4213 mL | 6.8425 mL |
| 10 mM | 0.3421 mL | 1.7106 mL | 3.4213 mL |
| 50 mM | 0.0684 mL | 0.3421 mL | 0.6843 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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