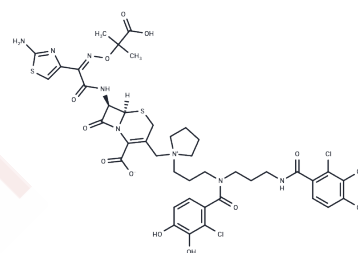


Antibacterial agent 285

Chemical Properties

| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| CAS No. : | 2797056-04-1 |
| Formula: | C41H46Cl2N8O13S2 |
| Molecular Weight: | 993.89 |
| 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 285 (Compound 3) is a cephalosporin antibiotic. It exhibits significant antibacterial activity against Gram-negative bacteria, with minimum inhibitory concentrations (MIC) of 0.125–0.5 µg/mL for carbapenem-resistant <i>Acinetobacter baumannii</i> (CRAB), 0.125–0.5 µg/mL for <i>Klebsiella pneumoniae</i> (CRE), and 0.125–2 µg/mL for <i>Pseudomonas aeruginosa</i> (CRPA). Antibacterial agent 285 can be utilized in bacterial infection research, including studies on complicated urinary tract infections (cUTI) and kidney infections. |
| Targets(IC50) | Antibacterial, Antibiotic |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.0061 mL | 5.0307 mL | 10.0615 mL |
| 5 mM | 0.2012 mL | 1.0061 mL | 2.0123 mL |
| 10 mM | 0.1006 mL | 0.5031 mL | 1.0061 mL |
| 50 mM | 0.0201 mL | 0.1006 mL | 0.2012 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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