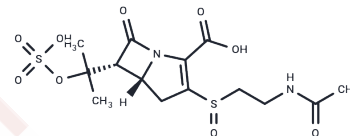


Carpetimycin D

Chemical Properties

CAS No. : 87139-37-5
 Formula: C₁₄H₂₀N₂O₉S₂
 Molecular Weight: 424.447
 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 | Carpetimycin D exhibits potent activity against both Gram-positive and Gram-negative bacteria, including those that produce β -lactamase. Additionally, Carpetimycin D strongly inhibits β -lactamase. |
| Targets(IC50) | Antibacterial, Beta-lactamase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 2.356 mL | 11.780 mL | 23.5599 mL |
| 5 mM | 0.4712 mL | 2.356 mL | 4.712 mL |
| 10 mM | 0.2356 mL | 1.178 mL | 2.356 mL |
| 50 mM | 0.0471 mL | 0.2356 mL | 0.4712 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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