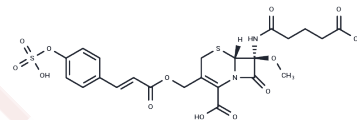


Oganomycin GA

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 80458-11-3 |
| Formula: | C ₂₃ H ₂₄ N ₂ O ₁₃ S ₂ |
| Molecular Weight: | 600.57 |
| 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 | Oganomycin GA is a fermentation product from the bacterium <i>Streptomyces</i> (<i>Streptomyces</i> str. <i>oganonensis</i> YG 19Z). By introducing sodium p-hydroxycinnamate into the fermentation medium, Oganomycin A is produced. Under the influence of D-amino acid oxidase, Oganomycin A is converted into the glutaric acid derivative Oganomycin GA, which exhibits greater efficacy against Gram-negative bacteria than against Gram-positive bacteria. |
| Targets(IC50) | Antibacterial |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.6651 mL | 8.3254 mL | 16.6508 mL |
| 5 mM | 0.333 mL | 1.6651 mL | 3.3302 mL |
| 10 mM | 0.1665 mL | 0.8325 mL | 1.6651 mL |
| 50 mM | 0.0333 mL | 0.1665 mL | 0.333 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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