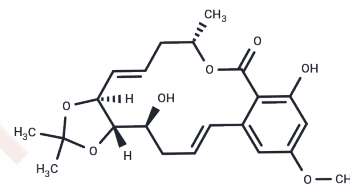


Cochliomycin A

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 1278520-07-2 |
| Formula: | C ₂₂ H ₂₈ O ₇ |
| Molecular Weight: | 404.45 |
| 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 | Cochliomycin A ((+)-Cochliomycin A) is a compound isolated from the fungus derived from the coral species, <i>Cochliobolus lunatus</i> . It exhibits antifouling activity with an EC ₅₀ of 1.2 µg/mL by inhibiting barnacle larval attachment via activation of the NO/cGMP pathway. Additionally, Cochliomycin A shows moderate antibacterial properties against <i>Staphylococcus aureus</i> (<i>S. aureus</i>). |
| Targets(IC ₅₀) | Antibacterial |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.4725 mL | 12.3625 mL | 24.7249 mL |
| 5 mM | 0.4945 mL | 2.4725 mL | 4.945 mL |
| 10 mM | 0.2472 mL | 1.2362 mL | 2.4725 mL |
| 50 mM | 0.0494 mL | 0.2472 mL | 0.4945 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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