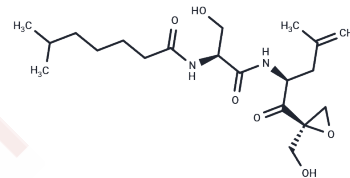


## Eponemycin

## Chemical Properties

|                   |                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| CAS No. :         | 126509-46-4                                                                                                         |
| Formula:          | C <sub>20</sub> H <sub>34</sub> N <sub>2</sub> O <sub>6</sub>                                                       |
| Molecular Weight: | 398.494                                                                                                             |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|                            |                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                | Eponemycin is an antibiotic with antitumor properties. It exhibits cytotoxicity against cancer cell lines B16-F10, L1210, P388, and HCT-116, with IC <sub>50</sub> values of 0.0017, 0.01, 0.031, and 0.0097 µg/mL, respectively. In B16-F10 and mitomycin C, Eponemycin inhibits DNA synthesis, with IC <sub>50</sub> values of 0.1 µg/mL and 0.41 µg/mL, respectively. |
| Targets(IC <sub>50</sub> ) | Antibiotic,DNA/RNA Synthesis                                                                                                                                                                                                                                                                                                                                             |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.5095 mL | 12.5474 mL | 25.0947 mL |
| 5 mM  | 0.5019 mL | 2.5095 mL  | 5.0189 mL  |
| 10 mM | 0.2509 mL | 1.2547 mL  | 2.5095 mL  |
| 50 mM | 0.0502 mL | 0.2509 mL  | 0.5019 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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