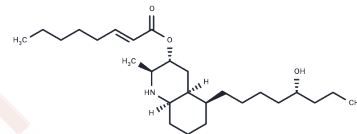


Lepadin E

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 444914-19-6 |
| Formula: | C ₂₆ H ₄₇ N ₃ O ₃ |
| Molecular Weight: | 421.66 |
| 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 | Lepadin E, a notably cytotoxic compound, effectively stimulates ferroptosis via the canonical p53-SLC7A11-GPX4 pathway. By elevating p53 and repressing SLC7A11 and GPX4 expression, it heightens ROS and lipid peroxidation while also augmenting ACSL4 expression, culminating in cell death. This compound exhibits a considerable antitumor effect [1]. |
| Targets(IC50) | Ferroptosis, Glutathione Peroxidase, MDM-2/p53 |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.3716 mL | 11.8579 mL | 23.7158 mL |
| 5 mM | 0.4743 mL | 2.3716 mL | 4.7432 mL |
| 10 mM | 0.2372 mL | 1.1858 mL | 2.3716 mL |
| 50 mM | 0.0474 mL | 0.2372 mL | 0.4743 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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