

Peplomycin sulfate

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 70384-29-1 |
| Formula: | C ₆₁ H ₉₀ N ₁₈ O ₂₅ S ₃ |
| Molecular Weight: | 1571.67 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |

Biological Description

| | |
|---------------|--|
| Description | Peplomycin (Bleomycin PEP) sulfate is an analog of Bleomycin and functions as an antitumor antibiotic. It exhibits strong antitumor activity with reduced pulmonary toxicity. Peplomycin sulfate can induce various skin abnormalities and apoptosis in oral squamous carcinoma SSKN cells. Additionally, it is used to induce pulmonary fibrosis. Peplomycin sulfate is applicable in research related to tumors, pulmonary fibrosis, and other diseases. |
| Targets(IC50) | Apoptosis, Antibiotic |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.6363 mL | 3.1813 mL | 6.3627 mL |
| 5 mM | 0.1273 mL | 0.6363 mL | 1.2725 mL |
| 10 mM | 0.0636 mL | 0.3181 mL | 0.6363 mL |
| 50 mM | 0.0127 mL | 0.0636 mL | 0.1273 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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