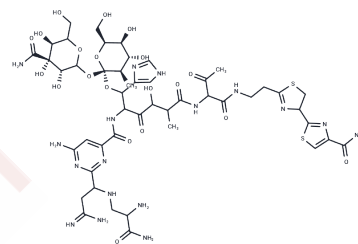


Phleomycin

Chemical Properties

CAS No. :	11006-33-0
Formula:	C ₄₈ H ₆₉ N ₁₇ O ₂₅ S ₂
Molecular Weight:	1268.29
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	Phleomycin is one of the anticancer glycopeptide antibiotics which cause DNA cleavage. It is similar to Bleomycin which binds and intercalates DNA to damage the integrity of the double helix.
Targets(IC50)	Antibacterial, Antibiotic, DNA/RNA Synthesis

Solubility Information

Solubility	H ₂ O: 100 mg/mL (78.85 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7885 mL	3.9423 mL	7.8846 mL
5 mM	0.1577 mL	0.7885 mL	1.5769 mL
10 mM	0.0788 mL	0.3942 mL	0.7885 mL
50 mM	0.0158 mL	0.0788 mL	0.1577 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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