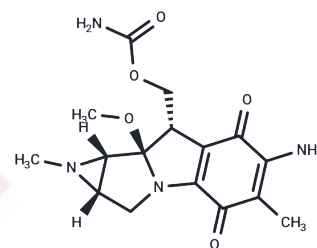


Porfiromycin

Chemical Properties

CAS No. :	801-52-5
Formula:	C ₁₆ H ₂₀ N ₄ O ₅
Molecular Weight:	348.35
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	Porfiromycin is a n N-methyl derivative of the antineoplastic antibiotic mitomycin C isolated from the bacterium Streptomyces arduus and other Streptomyces bacterial species. Bio-reduced porfiromycin generates oxygen radicals and alkylates DNA, producing interstrand cross-links and single-strand breaks, thereby inhibiting DNA synthesis. Porfiromycin is preferentially toxic to hypoxic cells.
Targets(IC50)	Others, DNA Alkylator/Crosslinker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8707 mL	14.3534 mL	28.7068 mL
5 mM	0.5741 mL	2.8707 mL	5.7414 mL
10 mM	0.2871 mL	1.4353 mL	2.8707 mL
50 mM	0.0574 mL	0.2871 mL	0.5741 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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