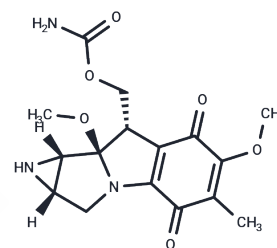


Mitomycin A

Chemical Properties

CAS No. :	4055-39-4
Formula:	C ₁₆ H ₁₉ N ₃ O ₆
Molecular Weight:	349.34
Storage:	Store at low temperature 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	Mitomycin A is a cytotoxic antibiotic derived from <i>Streptomyces</i> sp. with anticancer activity and antitumor activity. Mitomycin A is used in the study of solid cancers.
Targets(IC50)	Endogenous Metabolite, Antibiotic, MIF

Solubility Information

Solubility	Chloroform: Slightly soluble Methanol: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8625 mL	14.3127 mL	28.6254 mL
5 mM	0.5725 mL	2.8625 mL	5.7251 mL
10 mM	0.2863 mL	1.4313 mL	2.8625 mL
50 mM	0.0573 mL	0.2863 mL	0.5725 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.

Reference

van der Nat JM, et al. Suppression of migration inhibition factor (MIF) production by mitomycins in vitro. *Immunobiology*. 1986 Aug;172(1-2):120-7.

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