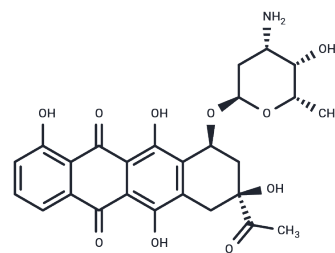


Carubicin

Chemical Properties

CAS No. :	50935-04-1
Formula:	C ₂₆ H ₂₇ NO ₁₀
Molecular Weight:	513.49
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Carubicin is an anthracycline antineoplastic antibiotic isolated from the bacterium <i>Actinomadura carminata</i> . Carubicin intercalates into DNA and interacts with topoisomerase II, thereby inhibiting DNA replication and repair and RNA and protein synthesis.
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Solubility Information

Solubility	H ₂ O: Insoluble, DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9475 mL	9.7373 mL	19.4746 mL
5 mM	0.3895 mL	1.9475 mL	3.8949 mL
10 mM	0.1947 mL	0.9737 mL	1.9475 mL
50 mM	0.0389 mL	0.1947 mL	0.3895 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.

Reference

Woldemichael GM, Turbyville TJ, Linehan WM, McMahon JB. Carminomycin I is an apoptosis inducer that targets the Golgi complex in clear cell renal carcinoma cells. *Cancer Res.* 2011 Jan 1;71(1):134-42. doi: 10.1158/0008-5472.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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