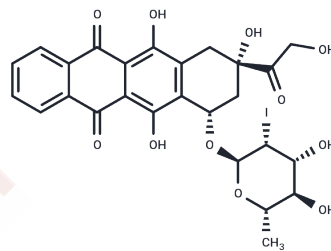


Annamycin

Chemical Properties

CAS No. :	92689-49-1
Formula:	C ₂₆ H ₂₅ O ₁₁
Molecular Weight:	640.37
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	Annamycin is a semi-synthetic doxorubicin analogue annamycin with antineoplastic activity. Annamycin intercalates into DNA and inhibits topoisomerase II, resulting in the inhibition of DNA replication and repair and RNA and protein synthesis. This agent circumvents multidrug-resistance (MDR) transporters, including P-glycoprotein (P-gp).
Targets(IC50)	Others,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5616 mL	7.808 mL	15.616 mL
5 mM	0.3123 mL	1.5616 mL	3.1232 mL
10 mM	0.1562 mL	0.7808 mL	1.5616 mL
50 mM	0.0312 mL	0.1562 mL	0.3123 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481