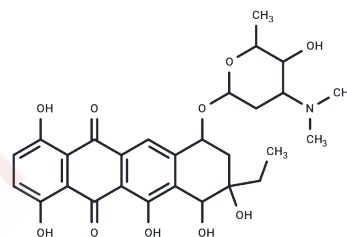


Alldimycin A

Chemical Properties

CAS No. :	122397-46-0
Formula:	C ₂₈ H ₃₃ N ₁ O ₁₀
Molecular Weight:	543.562
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	Alldimycin A is an anthracycline compound that inhibits the synthesis of RNA and DNA. It effectively hampers the growth of mouse leukemia L1210 cells and reduces DNA and RNA synthesis, with IC ₅₀ values of 0.05 µg/mL, 0.92 µg/mL, and 0.47 µg/mL, respectively.
Targets(IC ₅₀)	DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8397 mL	9.1986 mL	18.3972 mL
5 mM	0.3679 mL	1.8397 mL	3.6794 mL
10 mM	0.184 mL	0.9199 mL	1.8397 mL
50 mM	0.0368 mL	0.184 mL	0.3679 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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