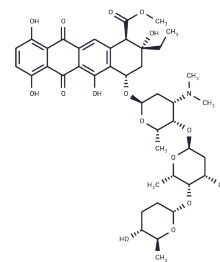


Antibiotic MA 144M2

Chemical Properties

CAS No. :	64474-89-1
Formula:	C42H55NO16
Molecular Weight:	829.88
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	Antibiotic MA 144M2 is an anthracycline glycoside that inhibits the growth of gram-positive bacteria, e.g. Staphyococcus aureus, Bacillus subtilis and Sarcina lutea, and inhibits the growth of animal tumors such as leukemia L 1210, P 388 and sarcoma 180. It's produced by fermentation of MA 144-producing strains of streptomyces and by the chemical or enzymatic conversion of aclacinomycin A or cinerubin A.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.205 mL	6.025 mL	12.0499 mL
5 mM	0.241 mL	1.205 mL	2.410 mL
10 mM	0.1205 mL	0.6025 mL	1.205 mL
50 mM	0.0241 mL	0.1205 mL	0.241 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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