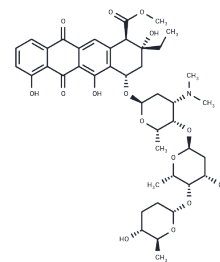


## Antibiotic MA 144M1

## Chemical Properties

CAS No. :	64431-68-1
Formula:	C42H55NO15
Molecular Weight:	813.88
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 144M1 is an anthracycline glycoside that inhibits the growth of gram-positive bacteria, e.g. Staphylococcus 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 streptomycetes and by the chemical or enzymatic conversion of aclacinomycin A or cinerubin A.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2287 mL	6.1434 mL	12.2868 mL
5 mM	0.2457 mL	1.2287 mL	2.4574 mL
10 mM	0.1229 mL	0.6143 mL	1.2287 mL
50 mM	0.0246 mL	0.1229 mL	0.2457 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