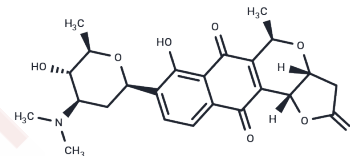


Medermycin

Chemical Properties

CAS No. :	60227-09-0
Formula:	C ₂₄ H ₂₇ N ₀ O ₈
Molecular Weight:	457.473
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	Lactoquinomycin A is a quinone antibiotic displaying activity against Gram-positive bacteria and some Gram-negative bacteria, though its efficacy is weaker against the latter and it is ineffective against fungi. It inhibits various cell lines, including lymphoma L5178Y progenitor cells, doxorubicin-resistant cells, bleomycin-resistant cells, human leukemia K562 cells, murine leukemia L-1210 cells, and murine leukemia P388 cells, with ID50 values ($\mu\text{g}/\text{mL}$) of 0.02, 0.006, 0.008, 0.033, 0.013, and 0.03, respectively.
Targets(IC50)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1859 mL	10.9297 mL	21.8594 mL
5 mM	0.4372 mL	2.1859 mL	4.3719 mL
10 mM	0.2186 mL	1.093 mL	2.1859 mL
50 mM	0.0437 mL	0.2186 mL	0.4372 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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