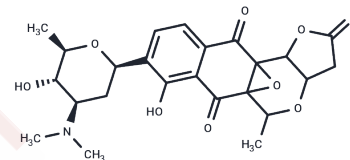


Lactoquinomycin B

Chemical Properties

CAS No. :	101342-94-3
Formula:	C ₂₄ H ₂₇ N ₁ O ₉
Molecular Weight:	473.473
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 B is a quinone antibiotic with activity against Gram-positive bacteria and some Gram-negative bacteria, though its efficacy against Gram-negative species is weaker and it does not affect fungi. It inhibits various cell lines, including lymphoma L5178Y parental cells, doxorubicin-resistant cells, bleomycin-resistant cells, human leukemia K562 cells, and murine leukemia L-1210 and P388 cells, with ID ₅₀ (µg/mL) values of 0.43, 0.21, 0.19, 0.16, 0.2, and 0.12, respectively.
Targets(IC ₅₀)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1121 mL	10.5603 mL	21.1207 mL
5 mM	0.4224 mL	2.1121 mL	4.2241 mL
10 mM	0.2112 mL	1.056 mL	2.1121 mL
50 mM	0.0422 mL	0.2112 mL	0.4224 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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