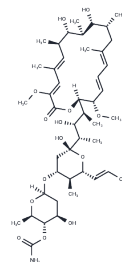


Concanamycin B

Chemical Properties

CAS No. :	81552-33-2
Formula:	C ₄₅ H ₇₃ N ₁₄ O ₁₄
Molecular Weight:	852.072
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	Concanamycin B is a macrolide antibiotic that selectively inhibits vacuolar type H ⁺ -ATPases (IC ₅₀ = 5 nM), thereby blocking vacuolar organelle acidification and early to late endosomal transport. It interferes with bone resorption, maturation of CD8 T lymphocytes, and prevents processing of major histocompatibility complex (MHC) class II precursors in human B cells, inhibiting MHC class II molecule expression on the cell surface.
Targets(IC ₅₀)	Others,Proton pump,Antibiotic

Solubility Information

Solubility	DMSO: Soluble DMF: Soluble Ethanol: Soluble Methanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1736 mL	5.8681 mL	11.7361 mL
5 mM	0.2347 mL	1.1736 mL	2.3472 mL
10 mM	0.1174 mL	0.5868 mL	1.1736 mL
50 mM	0.0235 mL	0.1174 mL	0.2347 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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