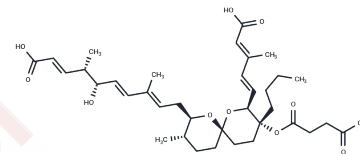


Reveromycin A

Chemical Properties

CAS No. :	134615-37-5
Formula:	C ₃₆ H ₅₂ O ₁₁
Molecular Weight:	660.79
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	Reveromycin A is the major component of a complex of spiroketal antibiotics isolated from <i>Streptomyces</i> sp. It inhibits the mitogenic activity of epidermal growth factor in Balb/MK cells (IC ₅₀ = 0.7 µg/ml), displays antiproliferative activity against human KB and K562 tumor cell lines (IC ₅₀ s = 1.9 and 1.6 µg/ml, respectively), and demonstrates antifungal activity against <i>C. albicans</i> (MIC = 2 µg/ml at pH 3). Reveromycin A also has been shown to inhibit bone resorption by inducing apoptosis in osteoclasts with an IC ₅₀ value of 0.7 µM.
Targets(IC ₅₀)	Apoptosis,Others,Antibiotic,Antifungal

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.5133 mL	7.5667 mL	15.1334 mL
5 mM	0.3027 mL	1.5133 mL	3.0267 mL
10 mM	0.1513 mL	0.7567 mL	1.5133 mL
50 mM	0.0303 mL	0.1513 mL	0.3027 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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