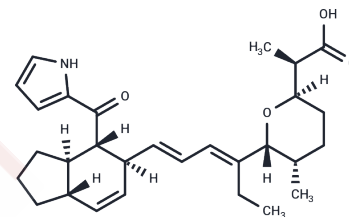


Deethylindanomycin

Chemical Properties

CAS No. :	106803-22-9
Formula:	C ₂₉ H ₃₉ N ₄ O ₄
Molecular Weight:	465.62
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	Deethylindanomycin is a polyether antibiotic that has been found in <i>S. setonii</i> . It is active against a variety of Gram-positive bacteria, including various strains of <i>S. aureus</i> and <i>Streptococcus</i> , as well as one strain of <i>S. pneumoniae</i> (MICs = 4, 4, and 2 µg/ml, respectively). It is also active against coccidia in vitro, inhibiting <i>E. tenella</i> development, but is inactive against <i>E. tenella</i> infection in chicks when administered at a dose of 200 µg/g in the diet. Deethylindanomycin acts as an ionophore in lipid bilayer membranes and is more selective for potassium ions than calcium, magnesium, and sodium ions. It induces histamine release from rodent mast cells and human basophils in vitro in a calcium-dependent manner.
Targets(IC50)	Others,Antibacterial,Antibiotic,Parasite

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1477 mL	10.7384 mL	21.4767 mL
5 mM	0.4295 mL	2.1477 mL	4.2953 mL
10 mM	0.2148 mL	1.0738 mL	2.1477 mL
50 mM	0.043 mL	0.2148 mL	0.4295 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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481