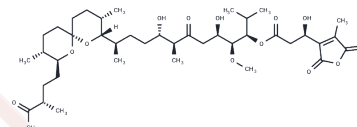


Tautomycin

Chemical Properties

CAS No. :	109946-35-2
Formula:	C ₄₁ H ₆₆ O ₁₃
Molecular Weight:	766.95
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	Tautomycin is a potent and specific protein phosphatases 1 and 2A inhibitor (Kiapp of 0.16 nM and 0.4 nM for PP1 and PP2A, respectively), and is an antifungal antibiotic isolated from the bacterium <i>Streptomyces verticillatus</i> .
Targets(IC50)	Others
In vitro	MTC cell growth in a dose-dependent manner is inhibited by Tautomycin (0-1000 nM, 48 hours) [2]. NE markers ASCL1 and CgA in human MTC cells are decreased in a dose-dependent manner by Tautomycin (0-1000 nM, 48 hours)[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3039 mL	6.5193 mL	13.0387 mL
5 mM	0.2608 mL	1.3039 mL	2.6077 mL
10 mM	0.1304 mL	0.6519 mL	1.3039 mL
50 mM	0.0261 mL	0.1304 mL	0.2608 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.

Reference

MacKintosh C, et al. Tautomycin from the bacterium *Streptomyces verticillatus*. Another potent and specific inhibitor of protein phosphatases 1 and 2A. *FEBS Lett.* 1990 Dec 17;277(1-2):137-40.

Adler JT, et al. Tautomycin and tautomycin suppress the growth of medullary thyroid cancer cells via inhibition of glycogen synthase kinase-3beta. *Mol Cancer Ther.* 2009 Apr;8(4):914-20.

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