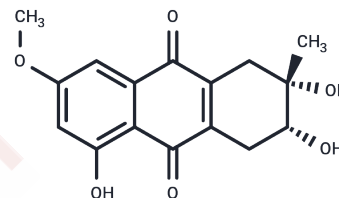


Dactylarin

Chemical Properties

CAS No. :	22350-90-9
Formula:	C ₁₆ H ₁₆ O ₆
Molecular Weight:	304.29
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	Dactylarin is a cytotoxic antibiotic. Dactylarin isolated from <i>Dactylaria lutea</i> . Dactylarin interacts with thiols, which explains its inhibitory effect on the above glycolytic enzymes.
Targets(IC50)	Others,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2863 mL	16.4317 mL	32.8634 mL
5 mM	0.6573 mL	3.2863 mL	6.5727 mL
10 mM	0.3286 mL	1.6432 mL	3.2863 mL
50 mM	0.0657 mL	0.3286 mL	0.6573 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

- Sturdík E, Drobnica L. Interaction of cytotoxic antibiotic dactylarin with glycolytic thiol enzymes in Ehrlich ascites carcinoma cells. *J Antibiot (Tokyo)*. 1981 Jun;34(6):708-12. PubMed PMID: 6456251.
- Henderson JF, Zombor G, Miko M. Adenosine triphosphate catabolism in Ehrlich ascites tumor cells treated with dactylarin. *Biochem Pharmacol*. 1980 Aug 1;29(15):2155-8. PubMed PMID: 7190827.
- Miko M, Drobnica L, Chance B. Inhibition of energy metabolism in Ehrlich ascites cells treated with dactylarin in vitro. *Cancer Res*. 1979 Oct;39(10):4242-51. PubMed PMID: 476657.
- Becker AM, Rickards RW, Schmalzl KJ, Yick HC. Metabolites of *Dactylaria lutea*. The structures of dactylariol and the antiprotozoal antibiotic dactylarin. *J Antibiot (Tokyo)*. 1978 Apr;31(4):324-9. PubMed PMID: 566263.

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