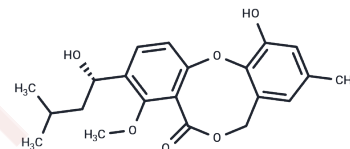


Penicillide

Chemical Properties

CAS No. :	55303-92-9
Formula:	C ₂₁ H ₂₄ O ₆
Molecular Weight:	372.417
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	Penicillide is a fungal metabolite originally isolated from Penicillium that has diverse biological activities. It is an inhibitor of calpain 2/m-calpain (IC ₅₀ = 7.1 μM) and acyl-coenzyme A:cholesterol acyltransferase (ACAT; IC ₅₀ = 22.9 μM). It is also an antagonist of oxytocin receptors (IC ₅₀ = 67 μM). Penicillide inhibits RNA synthesis in P388 murine leukemia cells.
Targets(IC ₅₀)	Others,Acyltransferase

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.6851 mL	13.4257 mL	26.8514 mL
5 mM	0.537 mL	2.6851 mL	5.3703 mL
10 mM	0.2685 mL	1.3426 mL	2.6851 mL
50 mM	0.0537 mL	0.2685 mL	0.537 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