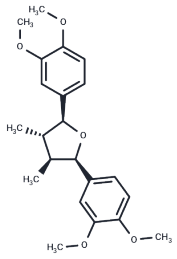
Data Sheet (Cat.No.TN1117)

TargetMol

Veraguensin

Chemical Properties



CAS No. : 19950-55-1

Formula: C22H28O5

Molecular Weight: 372.45

Storage: Store at low temperature,Store under nitrogen,Keep away from moisture
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	Veraguensin is derived from Magnolia sp.. Veraguensin inhibits bone resorption and shows high antileishmanial activity.
Targets(IC50)	NF-κB,Antibiotic,Parasite,Antifection,p38 MAPK
In vitro	Veraguensin shows activity against trypomastigote T. cruzi[1].

Solubility Information

Solubility	DMSO: 20 mg/mL (53.7 mM),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1 mg/mL (2.68 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6849 mL	13.4246 mL	26.8492 mL
5 mM	0.537 mL	2.6849 mL	5.3698 mL
10 mM	0.2685 mL	1.3425 mL	2.6849 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.

Reference

da Rosa R, et al. Design and synthesis of a new series of 3,5-disubstituted isoxazoles active against Trypanosoma cruzi and Leishmania amazonensis. Eur J Med Chem. 2017 Mar 10;128:25-35.
Asai M, et al. Effects of veraguensin and galgravin on osteoclast differentiation and function. Cytotechnology. 2012 May;64(3):315-22.