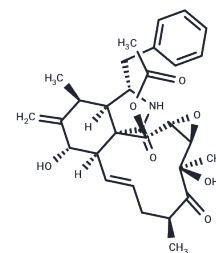


19,20-Epoxychothalasin D

Chemical Properties

CAS No. :	191349-10-7
Formula:	C ₃₀ H ₃₇ N ₀ O ₇
Molecular Weight:	523.626
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	19,20-Epoxychothalasin D is a fungal metabolite that has been found in the endophytic fungus <i>Nemania</i> sp. UM10M. It is active against the chloroquine-sensitive and -resistant strains of <i>P. falciparum</i> (MIC = 0.4 ng/ml for both) without inducing cytotoxicity in Vero cells. It is cytotoxic to BT-549, LLC-PK11, and P388 cells (IC ₅₀ s = 7.84, 8.4, and 0.16 μM, respectively) but not SK-MEL, KB, or SKOV3 cells up to a concentration of 10 μM.
Targets(IC ₅₀)	Others,Endogenous Metabolite,Parasite

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.9097 mL	9.5487 mL	19.0975 mL
5 mM	0.3819 mL	1.9097 mL	3.8195 mL
10 mM	0.191 mL	0.9549 mL	1.9097 mL
50 mM	0.0382 mL	0.191 mL	0.3819 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

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