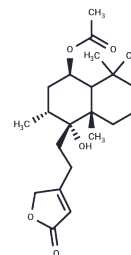


Vitexilactone

Chemical Properties

CAS No. :	61263-49-8
Formula:	C ₂₂ H ₃₄ O ₅
Molecular Weight:	378.509
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	Vitexilactone is a HIV-1 reverse transcriptase inhibitor in virtual screening against Indonesian Herbal Database using AutoDock4 performed on HIV-1 reverse transcriptase. It has trypanocidal activity, the minimum lethal concentration against epimastigotes of Trypanosoma cruzi is 66 microM. Vitexilactone is one anticancer component of Vitex trifolia L., which exerts its anti-proliferative effect on cancer cells through inducing apoptosis and inhibiting the cell cycle.
Targets(IC50)	Apoptosis, HIV Protease, Antibacterial, Antifection, NADPH-oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6419 mL	13.2097 mL	26.4194 mL
5 mM	0.5284 mL	2.6419 mL	5.2839 mL
10 mM	0.2642 mL	1.321 mL	2.6419 mL
50 mM	0.0528 mL	0.2642 mL	0.5284 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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