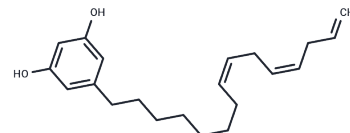


Cardol triene

Chemical Properties

CAS No. :	79473-24-8
Formula:	C ₂₁ H ₃₀ O ₂
Molecular Weight:	314.46
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Cardol triene is a phenol found in cashew nut shell liquid that competitively and irreversibly inhibits mushroom tyrosinase (IC ₅₀ = 22.5 μM). It is schistosomicidal, killing 25, 75, and 100% of <i>S. mansoni</i> worms after 24 hours when used at concentrations of 50, 100, or 200 μM, respectively. It has been used as a starting material for the synthesis of bis-benzoxazines.
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Solubility Information

Solubility	Ethanol: 22 mg/mL Ethanol:PBS(pH 7.2) (1:1): 0.5 mg/mL DMSO: 15 mg/mL DMF: 20 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1801 mL	15.9003 mL	31.8005 mL
5 mM	0.636 mL	3.1801 mL	6.3601 mL
10 mM	0.318 mL	1.590 mL	3.1801 mL
50 mM	0.0636 mL	0.318 mL	0.636 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.

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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