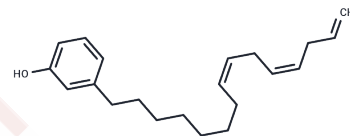


Cardanol triene

Chemical Properties

CAS No. :	79353-39-2
Formula:	C ₂₁ H ₃₀ O
Molecular Weight:	298.46
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	Cardanol triene is a natural phenolic compound that inhibits tyrosinase (IC ₅₀ = 40.5 μM) and can be used in related research in the field of life sciences.
Targets(IC ₅₀)	Others, Tyrosinase

Solubility Information

Solubility	Ethanol:PBS(pH 7.2) (1:1): 0.5 mg/mL (1.68 mM),Sonication is recommended. DMSO: 15 mg/mL (50.26 mM),Sonication is recommended. DMF: 15 mg/mL (50.26 mM),Sonication is recommended. Ethanol: 22 mg/mL (73.71 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3505 mL	16.7527 mL	33.5053 mL
5 mM	0.6701 mL	3.3505 mL	6.7011 mL
10 mM	0.3351 mL	1.6753 mL	3.3505 mL
50 mM	0.067 mL	0.3351 mL	0.6701 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

Yu, et al. Inhibitory mechanism of cardanols on tyrosinase. Proc. Biochem. 51(12), 223-2237 (2016).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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