

Cardanol (C15:1)

Chemical Properties

CAS No. : 501-26-8

Formula: C₂₁H₃₄O

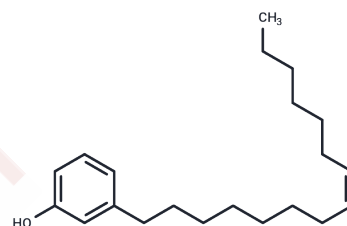
Molecular Weight: 302.49

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature, Store under nitrogen

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 (C15:1), found in cashew nut shell liquid, induces mitochondria-associated apoptosis in human melanoma cells.
Targets(IC50)	Apoptosis
In vitro	Cardanol (C15:1) possesses the same side chain as anacardic acid (C15:1), acted neither as a substrate nor as an inhibitor of lipoxygenase-1[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3059 mL	16.5295 mL	33.0589 mL
5 mM	0.6612 mL	3.3059 mL	6.6118 mL
10 mM	0.3306 mL	1.6529 mL	3.3059 mL
50 mM	0.0661 mL	0.3306 mL	0.6612 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

- Ha TJ, Kubo I. Lipoxygenase inhibitory activity of anacardic acids. J Agric Food Chem. 2005 Jun 1;53(11):4350-4.
 Su WC, et al. Mitochondria-Associated Apoptosis in Human Melanoma Cells Induced by Cardanol Monoene from Cashew Nut Shell Liquid. J Agric Food Chem. 2017 Jul 19;65(28):5620-5631.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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