

Methylcardol triene

Chemical Properties

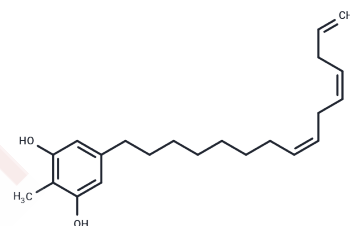
CAS No. : 50423-15-9

Formula: C₂₂H₃₂O₂

Molecular Weight: 328.496

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	Methylcardol triene, a phenolic compound present in cashew nut shell liquid, demonstrates α -glucosidase inhibition (IC ₅₀ = 39.6 μ M) and exhibits schistosomicidal properties by eliminating 100% of adult <i>S. mansoni</i> worms within 24 hours at 100 and 200 μ M concentrations. Moreover, it serves as a precursor for synthesizing mono- and bis-benzoxazines.
Targets(IC ₅₀)	Others,Parasite,Glucosidase,glycosidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0441 mL	15.2207 mL	30.4414 mL
5 mM	0.6088 mL	3.0441 mL	6.0883 mL
10 mM	0.3044 mL	1.5221 mL	3.0441 mL
50 mM	0.0609 mL	0.3044 mL	0.6088 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

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