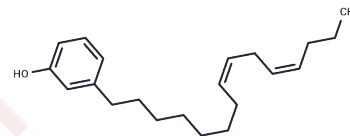


Cardanol diene

Chemical Properties

CAS No. :	51546-63-5
Formula:	C ₂₁ H ₃₂ O
Molecular Weight:	300.48
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 diene, a phenol found in cashew nut shell liquid, inhibits tyrosinase with an IC ₅₀ value of 52.5 μM in vitro. Additionally, it is utilized to synthesize cardanol-metal complexes that inhibit the biofilm formation of uropathogenic E. coli.
Targets(IC ₅₀)	Others, Tyrosinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.328 mL	16.640 mL	33.2801 mL
5 mM	0.6656 mL	3.328 mL	6.656 mL
10 mM	0.3328 mL	1.664 mL	3.328 mL
50 mM	0.0666 mL	0.3328 mL	0.6656 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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