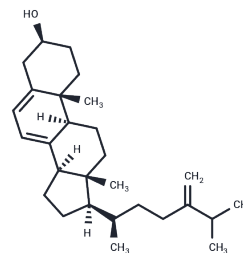


5-Dehydroepisterol

Chemical Properties

CAS No. :	23582-83-4
Formula:	C ₂₈ H ₄₄ O
Molecular Weight:	396.65
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	5-Dehydroepisterol is an antifungal sterol derivative that can be catalyzed by C-5 sterol desaturase for generation, and can be converted into 24-methylenecholesterol under the action of 7-dehydrocholesterol reductase.
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 0.8 mg/mL (2.02 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	2.5211 mL	12.6056 mL	25.2111 mL
5 mM	0.5042 mL	2.5211 mL	5.0422 mL
10 mM	0.2521 mL	1.2606 mL	2.5211 mL
50 mM	0.0504 mL	0.2521 mL	0.5042 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

Rodrigues JC, et al. Ultrastructural and biochemical alterations induced by 22,26-azasterol, a delta(24(25))-sterol methyltransferase inhibitor, on promastigote and amastigote forms of *Leishmania amazonensis*. *Antimicrob Agents*

Rodrigues JC, et al. Ultrastructural and biochemical alterations induced by 22,26-azasterol, a delta(24(25))-sterol methyltransferase inhibitor, on promastigote and amastigote forms of *Leishmania amazonensis*. *Antimicrob Agents Chemother.* 2002 Feb;46(2):487-99.

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