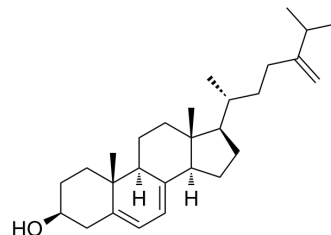


5-Dehydroepisterol

Cat. No.:	HY-130703
CAS No.:	23582-83-4
Molecular Formula:	C ₂₈ H ₄₄ O
Molecular Weight:	396.65
Target:	Fungal
Pathway:	Anti-infection
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 1 mg/mL (2.52 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5211 mL	12.6056 mL	25.2111 mL
5 mM	---	---	---
10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

5-Dehydroepisterol is an episterol derivative and an intermediate in steroid biosynthesis. 5-Dehydroepisterol can be formed by C-5 sterol desaturase and converted into 24-methylenecholesterol by 7-dehydrocholesterol reductase. 5-Dehydroepisterol has anti-fungal activities^{[1][2]}.

IC₅₀ & Target

IC₅₀: Intermediate in steroid biosynthesis^[1]

REFERENCES

[1]. 5-Dehydroepisterol. From Wikipedia

[2]. 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

Caution: Product has not been fully validated for medical applications. For research use only.

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