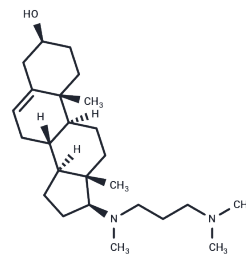


Azacosterol

Chemical Properties

CAS No. :	313-05-3
Formula:	C ₂₅ H ₄₄ N ₂ O
Molecular Weight:	388.63
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	Azacosterol (Diazasterol) is a DHCR24 inhibitor. Azacosterol undergoes a series of reactions in cortical neurons following oral or intraperitoneal administration.
Targets(IC50)	Others, Xanthine Oxidase

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble) DMSO: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5731 mL	12.8657 mL	25.7314 mL
5 mM	0.5146 mL	2.5731 mL	5.1463 mL
10 mM	0.2573 mL	1.2866 mL	2.5731 mL
50 mM	0.0515 mL	0.2573 mL	0.5146 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

Williams ML, et al. Ichthyosis induced by cholesterol-lowering drugs. Implications for epidermal cholesterol homeostasis. Arch Dermatol. 1987;123(11):1535-1538.

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