

LANOSTEROL

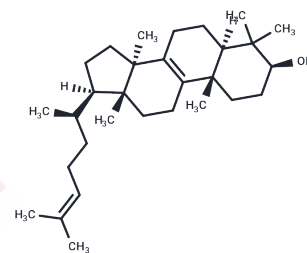
Chemical Properties

CAS No. : 79-63-0

Formula: C₃₀H₅₀O

Molecular Weight: 426.72

Storage: Store at low temperature
 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	Lanosterol (3 β -Hydroxy-8,24-lanostadiene) is a tetracyclic triterpenoid which is the compound from which all steroids are derived.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	Ethanol: 10 mM, Sonication is recommended. DMSO: Insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3435 mL	11.7173 mL	23.4346 mL
5 mM	0.4687 mL	2.3435 mL	4.6869 mL
10 mM	0.2343 mL	1.1717 mL	2.3435 mL
50 mM	0.0469 mL	0.2343 mL	0.4687 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

Sinha R , Ahn J , Sampson J N , et al. Fecal Microbiota, Fecal Metabolome, and Colorectal Cancer Interrelations[J]. PLOS ONE, 2016, 11(3):e0152126.

Liu Y, Wang Z, Jin H, et al. Squalene-epoxidase-catalyzed 24 (S), 25-epoxycholesterol synthesis promotes trained-immunity-mediated antitumor activity. Cell Reports. 2024, 43(4).

Goedert J J, Sampson J N, Moore S C, et al. Fecal metabolomics: assay performance and association with colorectal cancer[J]. Carcinogenesis, 2014, 35(9):2089.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481