

Desmosterol

Chemical Properties

CAS No.:	313-04-2
Formula:	C ₂₇ H ₄₄ O
Molecular Weight:	384.65
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Desmosterol is an endogenous RORgamma agonist.
-------------	--

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.600 mL	12.999 mL	25.998 mL
5 mM	0.520 mL	2.600 mL	5.200 mL
10 mM	0.260 mL	1.300 mL	2.600 mL
50 mM	0.052 mL	0.260 mL	0.520 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Wudiri GA, Nicola AV. Cellular cholesterol facilitates the post-entry replication cycle of herpes simplex virus 1. J Virol. 2017 Apr 26. pii: JVI.00445-17. doi: 10.1128/JVI.00445-17. [Epub ahead of print] PubMed PMID: 28446672.
2. Mouritsen OG, Bagatolli LA, Duelund L, Garvik O, Ipsen JH, Simonsen AC. Effects of seaweed sterols fucosterol and desmosterol on lipid membranes. Chem Phys Lipids. 2017 Jun;205:1-10. doi: 10.1016/j.chemphyslip.2017.03.010. Epub 2017 Mar 30. PubMed PMID: 28365392.
3. Hamdan IJ, Claumarchirant L, Garcia-Llatas G, Alegría A, Lagarda MJ. Sterols in infant formulas: validation of a gas chromatographic method. Int J Food Sci Nutr. 2017 Feb 16:1-9. doi: 10.1080/09637486.2017.1287883. [Epub ahead of print] PubMed PMID: 28276904.
4. Korade Ž, Liu W, Warren EB, Armstrong K, Porter NA, Konradi C. Effect of psychotropic drug treatment on sterol metabolism. Schizophr Res. 2017 Feb 12. pii: S0920-9964(17)30072-5. doi: 10.1016/j.schres.2017.02.001. [Epub ahead of print] PubMed PMID: 28202290.

Inhibitors · Natural Compounds · Compound Libraries

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:36 Washington Street,Wellesley Hills,MA 02481