

Coprosterol

Chemical Properties

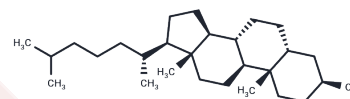
CAS No. : 360-68-9

Formula: C₂₇H₄₈O

Molecular Weight: 388.67

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	Coprosterol is a stanol formed from the biohydrogenation of cholesterol as a biomarker for the presence of human faecal matter in the environment.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5729 mL	12.8644 mL	25.7288 mL
5 mM	0.5146 mL	2.5729 mL	5.1458 mL
10 mM	0.2573 mL	1.2864 mL	2.5729 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

- Bach D, Wachtel E, Miller IR. Modulation of the kinetics of 3 β -hydroxy-5-oxo-5,6-secocholestan-6-al/phosphatidylethanolamine Schiff base formation by cholesterol and cholesterol crystallization. *Chem Phys Lipids*. 2015 Feb;186:45-50. doi: 10.1016/j.chemphyslip.2015.01.001. Epub 2015 Jan 9. PubMed PMID: 25582951.
- Moraes EA, Matos WC, Graham JK, Ferrari WD Jr. Cholesterol-loaded-cyclodextrin improves the quality of stallion spermatozoa after cryopreservation. *Anim Reprod Sci*. 2015 Jul;158:19-24. doi: 10.1016/j.anireprosci.2015.04.004. Epub 2015 Apr 21. PubMed PMID: 26005214.
- Silbernagel G, Fauler G, Genser B, Drechsler C, Krane V, Scharnagl H, Grammer TB, Baumgartner I, Ritz E, Wanner C, März W. Intestinal cholesterol absorption, treatment with atorvastatin, and cardiovascular risk in hemodialysis patients. *J Am Coll Cardiol*. 2015 Jun 2;65(21):2291-8. doi: 10.1016/j.jacc.2015.03.551. PubMed PMID: 26022817.
- Imperatore C, D'Aniello F, Aiello A, Fiorucci S, D'Amore C, Sepe V, Menna M. Phallusiasterols A and B: two new sulfated sterols from the Mediterranean tunicate *Phallusia fumigata* and their effects as modulators of the PXR receptor. *Mar Drugs*. 2014 Apr 3;12(4):2066-78. doi: 10.3390/md12042066. PubMed PMID: 24705503; PubMed Central PMCID: PMC4012412.

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