Data Sheet (Cat.No.T21255)

TargetMol

Campestanol

Chemical Properties

CAS No. : 474-60-2

Formula: C28H50O

Molecular Weight: 402.71

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	Campestanol is a natural plant sterol from Brassica campestris.
Targets(IC50)	Others,LDLR

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4832 mL	12.4159 mL	24.8318 mL
5 mM	0.4966 mL	2.4832 mL	4.9664 mL
10 mM	0.2483 mL	1.2416 mL	2.4832 mL
50 mM	0.0497 mL	0.2483 mL	0.4966 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

Connor WE, Lin DS, Pappu AS, Frohlich J, Gerhard G. Dietary sitostanol and campestanol: accumulation in the blood of humans with sitosterolemia and xanthomatosis and in rat tissues. Lipids. 2005 Sep;40(9):919-23. PubMed PMID: 16331855.

Salen G, Xu G, Tint GS, Batta AK, Shefer S. Hyperabsorption and retention of campestanol in a sitosterolemic homozygote: comparison with her mother and three control subjects. J Lipid Res. 2000 Nov;41(11):1883-9. PubMed PMID: 11060358.

Xu G, Salen G, Tint GS, Batta AK, Shefer S. Campestanol (24-methyl-5alpha-cholestan-3beta-ol) absorption and distribution in New Zealand White rabbits: effect of dietary sitostanol. Metabolism. 1999 Mar;48(3):363-8. PubMed PMID: 10094114.

Kircher HW, Rosenstein FU. Purification of campesterol and preparation of 7-dehydrocampesterol, 7-campestenol and campestanol. Lipids. 1974 May;9(5):333-7. PubMed PMID: 4857275.

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