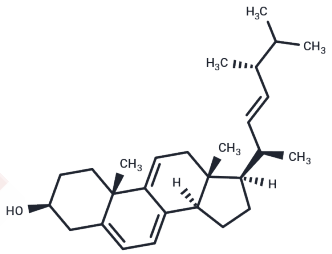
Data Sheet (Cat.No.T37858)

TargetMol

Dehydroergosterol

Chemical Properties



CAS No. : 516-85-8

Formula: C28H42O

Molecular Weight: 394.63

Storage: Keep away from direct sunlight,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	Dehydroergosterol (DHE) is a naturally occurring fluorescent sterol analog that is a compound for real-time detection/elaboration of the sterol environment and intracellular sterol transport in organisms. Dehydroergosterol is a cholesterol mimetic that binds to cholesterol-binding proteins and can be used for real-time imaging of living cells. Dehydroergosterol is a cholesterol mimetic that binds to cholesterol-binding proteins and can be used for real-time imaging of living cells.
Targets(IC50)	Liposome

Solubility Information

Solubility	DMF: 1 mg/mL (2.53 mM),Sonication is recommended. Ethanol: 10 mg/mL (25.34 mM),Sonication is recommended. DMSO: < 1 mg/mL (insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.534 mL	12.6701 mL	25.3402 mL
5 mM	0.5068 mL	2.534 mL	5.068 mL
10 mM	0.2534 mL	1.267 mL	2.534 mL
50 mM	0.0507 mL	0.2534 mL	0.5068 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

McIntosh, A.L.,et al. Fluorescence techniques using dehydroergosterol to study cholesterol trafficking. Lipids 43 (12), 1185-1208 (2008).

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