

Dihydrophytol

Chemical Properties

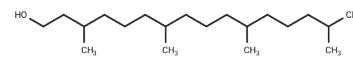
CAS No. : 645-72-7

Formula: C₂₀H₄₂O

Molecular Weight: 298.55

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	Dihydrophytol is a saturated diterpene alcohol that functions as a key metabolic intermediate in the endogenous biosynthetic pathway leading to phytanic acid. Dihydrophytol is biochemically produced from the unsaturated alcohol phytol via a hydrogenation process that occurs primarily in the rumen of cattle through the metabolic activity of resident microorganisms.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3495 mL	16.7476 mL	33.4952 mL
5 mM	0.6699 mL	3.3495 mL	6.699 mL
10 mM	0.335 mL	1.6748 mL	3.3495 mL
50 mM	0.067 mL	0.335 mL	0.6699 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.

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Tel: 781-999-4286

E_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481