

1-TETRACOSANOL

Chemical Properties

CAS No. :	506-51-4
Formula:	C ₂₄ H ₅₀ O
Molecular Weight:	354.65
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	1-Tetracosanol (LIGNOCERYL ALCOHOL) is a natural component extracted from <i>Hylocereus polyrhizus</i> .
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8197 mL	14.0984 mL	28.1968 mL
5 mM	0.5639 mL	2.8197 mL	5.6394 mL
10 mM	0.282 mL	1.4098 mL	2.8197 mL
50 mM	0.0564 mL	0.282 mL	0.5639 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

Sánchez-Hernández E, et al. Physicochemical Characterization and Antimicrobial Activity against *Erwinia amylovora*, *Erwinia vitivora*, and *Diplodia seriata* of a Light Purple *Hibiscus syriacus* L. Cultivar. *Plants (Basel)*. 2021 Sep 10;10(9):1876.

Luo H, et al. Chemical composition and in vitro evaluation of the cytotoxic and antioxidant activities of supercritical carbon dioxide extracts of pitaya (dragon fruit) peel. *Chem Cent J*. 2014 Jan 3;8(1):1.

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