

Ethyl palmitate

Chemical Properties

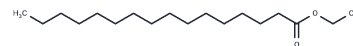
CAS No. : 628-97-7

Formula: C18H36O2

Molecular Weight: 284.48

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ethyl palmitate (palmitic acid ethyl ester) is a type of fatty acid ethyl ester (FAEE). After human subjects consumed alcohol, its synthesis was higher than other FAEEs. It can be used as a hair and skin conditioner.
Targets(IC50)	Others,NF-κB,Interleukin,TNF

Solubility Information

Solubility	DMSO: < 2.84 mg/mL (10 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5152 mL	17.5759 mL	35.1519 mL
5 mM	0.703 mL	3.5152 mL	7.0304 mL
10 mM	0.3515 mL	1.7576 mL	3.5152 mL
50 mM	0.0703 mL	0.3515 mL	0.703 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

Fidler, N., et al.: J. Lipid Res., 41, 1376 (2000)

Hu X, Du T, Dai S, et al. Identification of intrinsic hepatotoxic compounds in Polygonum multiflorum Thunb. using machine-learning methods. Journal of Ethnopharmacology. 2022: 115620.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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