

Pentacosanoic acid

Chemical Properties

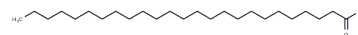
CAS No. : 506-38-7

Formula: C₂₅H₅₀O₂

Molecular Weight: 382.66

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	Pentacosanoic acid, belongs to the class of organic compounds known as very long-chain fatty acids.
Targets(IC50)	Endogenous Metabolite

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.6133 mL	13.0664 mL	26.1329 mL
5 mM	0.5227 mL	2.6133 mL	5.2266 mL
10 mM	0.2613 mL	1.3066 mL	2.6133 mL
50 mM	0.0523 mL	0.2613 mL	0.5227 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

Rachev R , Gesheva V , Tewfike T , et al. A new antibiotic, TH818, and its properties[J]. biotechnol appl biochem, 2003, 37(1):21-26.

Nguekeu Y M M , Ndontsa B L , Mbouangouere R , et al. A New Alkenylmethylresorcinol from the Fruits of Ardisia kivuensis[J]. natural product communications, 2016, 11(5):661-662.

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