

Octacosanoic acid

Chemical Properties

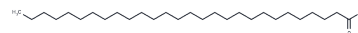
CAS No. : 506-48-9

Formula: C₂₈H₅₆O₂

Molecular Weight: 424.74

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	Octacosanoic acid has antiplatelet and antithrombotic effects.
Targets(IC50)	Anti-infection, Endogenous Metabolite
In vivo	octacosanoic acid. D-003 exhibits a cholesterol-lowering effect as well as antiplatelet and antithrombotic effects in experimental models[1].

Solubility Information

Solubility	0.1M NaOH: < 1 mg/mL (insoluble or slightly soluble) DMSO: 4.25 mg/mL (10.01 mM), Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or 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	2.3544 mL	11.7719 mL	23.5438 mL
5 mM	0.4709 mL	2.3544 mL	4.7088 mL
10 mM	0.2354 mL	1.1772 mL	2.3544 mL
50 mM	0.0471 mL	0.2354 mL	0.4709 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

Arruzazabala, María Lourdes, Molina V , Carbajal D , et al. D-003 and Warfarin Interaction on the Bleeding Time and Venous Thrombosis Experimentally Induced in Rats[J]. Journal of Medicinal Food, 2004, 7(2):260-263.

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