

Docosapentaenoic acid 22n-3

Chemical Properties

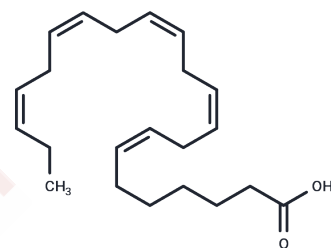
CAS No. : 24880-45-3

Formula: C₂₂H₃₄O₂

Molecular Weight: 330.50

Storage: Store at low temperature, Store under nitrogen
 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	Docosapentaenoic acid 22n-3 is present in the cell membranes of all animals and is a component of phospholipids.
Targets(IC50)	Endogenous Metabolite, Amylase, glycosidase

Solubility Information

Solubility	DMSO: 140 mg/mL (423.6 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (7.56 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0257 mL	15.1286 mL	30.2572 mL
5 mM	0.6051 mL	3.0257 mL	6.0514 mL
10 mM	0.3026 mL	1.5129 mL	3.0257 mL
50 mM	0.0605 mL	0.3026 mL	0.6051 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

Sinclair HM, et al. Essential fatty acids in perspective. Hum Nutr Clin Nutr. 1984 Jul;38(4):245-60.

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