

Ethyl arachidonate

Chemical Properties

CAS No. : 1808-26-0

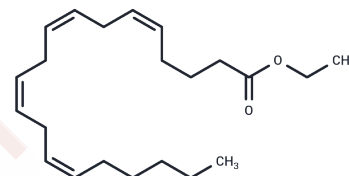
Formula: C₂₂H₃₆O₂

Molecular Weight: 332.52

Store at low temperature

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	Ethyl arachidonate (arachidonic acid ethyl ester) is the esterified form of arachidonic acid (AA), which serves as a precursor or substitute for AA and is associated with alcohol metabolism.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility DMSO: 80 mg/mL (240.59 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0073 mL	15.0367 mL	30.0734 mL
5 mM	0.6015 mL	3.0073 mL	6.0147 mL
10 mM	0.3007 mL	1.5037 mL	3.0073 mL
50 mM	0.0601 mL	0.3007 mL	0.6015 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

Refaai MA, et al., Ethyl arachidonate is the predominant fatty acid ethyl ester in the brains of alcohol-intoxicated subjects at autopsy. *Lipids*. 2003 Mar;38(3):269-73.

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