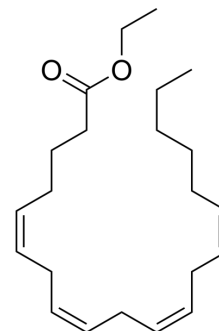


Ethyl arachidonate

Cat. No.:	HY-W013214	
CAS No.:	1808-26-0	
Molecular Formula:	C ₂₂ H ₃₆ O ₂	
Molecular Weight:	332.52	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (300.73 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Ethyl arachidonate is a lipophilic esterified form of arachidonic acid (AA) and can be added into dietary regimens or fed to cultured cells as a source of exogenous arachidonate. Ethyl arachidonate is the main species of fatty acid ethyl esters (FAEE) in brain of alcohol-intoxicated subjects^[1].

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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