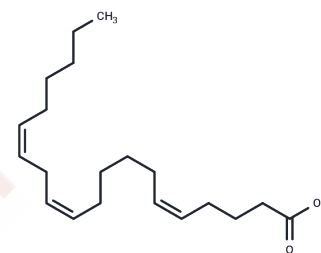


5(Z),11(Z),14(Z)-Eicosatrienoic Acid

Chemical Properties

CAS No. :	7019-85-4
Formula:	C ₂₀ H ₃₄ O ₂
Molecular Weight:	306.49
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	5(Z),11(Z),14(Z)-Eicosatrienoic acid is a polyunsaturated fatty acid found in various natural sources including maritime pine (<i>Pinus pinaster</i>) seed oil (MPSO), gymnospermae leaves and seeds, and freshwater gastropods. A diet containing MPSO lowered high-density lipoprotein and ApoA1 levels in transgenic mice expressing human ApoA1. MPSO was found to diminish cholesterol efflux in vitro. 5(Z),11(Z),14(Z)-Eicosatrienoic acid methyl ester, when topically applied, reduces inflammatory processes, potentially by displacing arachidonic acid from phospholipid pools and reducing downstream inflammatory products such as prostaglandin E2 and leukotrienes.
Targets(IC50)	Others

Solubility Information

Solubility	DMF: 100 mg/mL (326.27 mM), Sonication is recommended. 0.1 M Na ₂ CO ₃ : 1.5 mg/mL (4.89 mM), Sonication is recommended. DMSO: 100 mg/mL (326.27 mM), Sonication is recommended. Ethanol: 100 mg/mL (326.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2627 mL	16.3137 mL	32.6275 mL
5 mM	0.6525 mL	3.2627 mL	6.5255 mL
10 mM	0.3263 mL	1.6314 mL	3.2627 mL
50 mM	0.0653 mL	0.3263 mL	0.6525 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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