

9(Z),11(E),13(E)-Octadecatrienoic Acid

Chemical Properties

CAS No. : 506-23-0

Formula: C₁₈H₃₀O₂

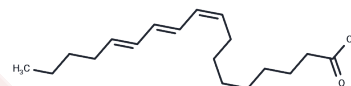
Molecular Weight: 278.43

Keep away from direct sunlight, 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	alpha-Eleostearic acid (cis-eleostearic acid) is a conjugated fatty acid present in Anemone seeds and can be used as a chemical taxonomic marker for Anemone.
Targets(IC50)	Apoptosis,Others,Ferroptosis

Solubility Information

Solubility	Ethanol: 30 mg/mL (107.75 mM),Sonication is recommended. Ethanol:PBS (pH 7.2)(1:10): 0.5 mg/mL (1.8 mM),Sonication is recommended. DMSO: 30 mg/mL (107.75 mM),Sonication is recommended. DMF: 30 mg/mL (107.75 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	3.5916 mL	17.9578 mL	35.9157 mL
5 mM	0.7183 mL	3.5916 mL	7.1831 mL
10 mM	0.3592 mL	1.7958 mL	3.5916 mL
50 mM	0.0718 mL	0.3592 mL	0.7183 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

Puri R, et al. Two unusual conjugated fatty acids, parinaric acid and α -eleostearic acid, are present in several *Impatiens* species, but not in congener *Hydrocera triflora*. *Physiol Mol Biol Plants*. 2022 May;28(5):1109-1118.

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