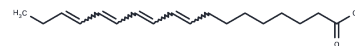


cis-Parinaric Acid

Chemical Properties

CAS No. :	18427-44-6
Formula:	C18H28O2
Molecular Weight:	276.42
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	cis-Parinaric acid is a naturally occurring polyunsaturated fatty acid containing an unusual conjugated (Z,E,E,Z) tetraene. This chromophore provides for a natural fluorescence at 432 nm with an excitation wavelength at 320 nm. cis-Parinaric acid occurs naturally in the seeds of the Makita tree, a tropical rainforest tree indigenous to Fiji. Makita seeds are inedible, and this toxicity may be due at least in part to the unstable conjugated fatty acids, including cis-parinaric acid, contained within the seed. cis-Parinaric acid has been used for the measurement of phospholipase activity, lipase activity, and as an indicator of lipid peroxidation.[1][2][3][4]
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Solubility Information

Solubility	Ether: 15 mg/mL Benzene: 15 mg/mL Hexane: 10 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6177 mL	18.0884 mL	36.1768 mL
5 mM	0.7235 mL	3.6177 mL	7.2354 mL
10 mM	0.3618 mL	1.8088 mL	3.6177 mL
50 mM	0.0724 mL	0.3618 mL	0.7235 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.

Reference

Wolf, C., Sagaert, L., and Bereziat, G. A sensitive assay of phospholipase using the fluorescent probe 2-parinaroylleicithin. Biochemical and Biophysical Research Communications 99, 275-283 (1981).

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481