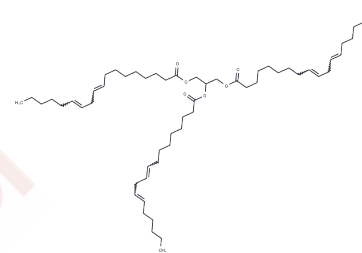


Trilinolein

Chemical Properties

CAS No. :	537-40-6
Formula:	C57H98O6
Molecular Weight:	879.38
Storage:	Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Trilinolein (1,2,3-Trilinoleoylglycerol) is a triacylglycerol and has been reported to provide a number of beneficial effects including reducing thrombogenicity and arrhythmias and increasing erythrocyte deformability. It is also an antioxidant.
Targets(IC50)	Apoptosis,MMP,ERK,Antioxidant,MEK,Akt,Endogenous Metabolite,PI3K

Solubility Information

Solubility	DMSO: 262.5 mg/mL (298.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (2.27 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1372 mL	5.6858 mL	11.3716 mL
5 mM	0.2274 mL	1.1372 mL	2.2743 mL
10 mM	0.1137 mL	0.5686 mL	1.1372 mL
50 mM	0.0227 mL	0.1137 mL	0.2274 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

Clifford AJ, et al. Effects of dietary triglycerides on serum and liver lipids and sterol excretion of rats. J Nutr. 1986 Jun;116(6):944-56.

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