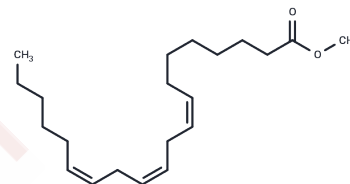


Dihomo- γ -Linolenic acid methyl ester

Chemical Properties

CAS No. :	21061-10-9
Formula:	C ₂₁ H ₃₆ O ₂
Molecular Weight:	320.51
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	Dihomo- γ -Linolenic acid methyl ester is the methyl ester form of Dihomo- γ -Linolenic acid which has anti-inflammatory and anti-proliferative effects.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 50 mg/mL (156 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	3.120 mL	15.6001 mL	31.2003 mL
5 mM	0.624 mL	3.120 mL	6.2401 mL
10 mM	0.312 mL	1.560 mL	3.120 mL
50 mM	0.0624 mL	0.312 mL	0.624 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

- Chutrakul C, et al. Metabolic engineering of long chain-polyunsaturated fatty acid biosynthetic pathway in oleaginous fungus for dihomogamma linolenic acid production. J Biotechnol. 2016;218:85-93.
- Takai S, et al. Anti-atherosclerotic effects of dihomogamma-linolenic acid in ApoE-deficient mice. J Atheroscler Thromb. 2009;16(4):480-489.

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