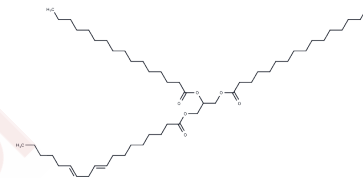


12-Dipalmitoyl-3-Linoelaidoyl-rac-glycerol

Chemical Properties

CAS No. :	344791-14-6
Formula:	C53H98O6
Molecular Weight:	831.34
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	12-Dipalmitoyl-3-Linoelaidoyl-rac-glycerol is a triacylglycerol containing palmitic acid in the sn-1 and sn-2 positions and linoleic acid in the sn-3 position. Palmitic acid is a long-chain saturated fatty acid commonly found in animals and plants, capable of inducing the expression of glucose-regulated protein 78 (GRP78) and CCAAT/enhancer-binding protein homologous protein (CHOP) in mouse granulosa cells. Linoleic acid, an omega-6 trans fatty acid (TFA), serves as an energy source and is an essential nutrient that can be incorporated into enteral, parenteral, and infant formulas. Additionally, linoleic acid is utilized in heart disease research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2029 mL	6.0144 mL	12.0288 mL
5 mM	0.2406 mL	1.2029 mL	2.4058 mL
10 mM	0.1203 mL	0.6014 mL	1.2029 mL
50 mM	0.0241 mL	0.1203 mL	0.2406 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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