

## 1,3-Dioleoyl-2-palmitoylglycerol

## Chemical Properties

CAS No. :	1716-07-0
Formula:	C55H102O6
Molecular Weight:	859.40
Storage:	Keep away from direct sunlight,Store at low temperature,Keep away from moisture 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	1,3-Dioleoyl-2-palmitoylglycerol is a major triacylglycerol incorporated into infant formula formulations. 1,3-Dioleoyl-2-palmitoylglycerol is relevant for investigations involving lipid digestion, infant nutrition biochemistry, gastrointestinal lipid absorption, and metabolic processing of structured triacylglycerols in developmental research settings.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 80 mg/mL (93.09 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	1.1636 mL	5.818 mL	11.636 mL
5 mM	0.2327 mL	1.1636 mL	2.3272 mL
10 mM	0.1164 mL	0.5818 mL	1.1636 mL
50 mM	0.0233 mL	0.1164 mL	0.2327 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

Qin XL, et al. Preparation and characterization of 1,3-dioleoyl-2-palmitoylglycerol. J Agric Food Chem. 2011 May 25;59(10):5714-9.

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