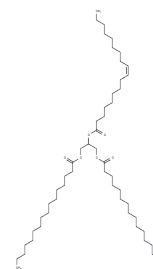


## 1,3-Dipalmitoyl-2-Oleoyl Glycerol

## Chemical Properties

CAS No. :	2190-25-2
Formula:	C53H100O6
Molecular Weight:	833.36
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	1,3-Dipalmitoyl-2-Oleoyl Glycerol is a structurally specific triacylglycerol (TAG) molecule composed of a glycerol backbone esterified with two palmitic acid (C16:0) and one oleic acid (C18:1) molecules; 1,3-Dipalmitoyl-2-Oleoyl Glycerol exhibits inhibitory activity against <i>Pseudomonas aeruginosa</i> . 1,3-Dipalmitoyl-2-Oleoyl Glycerol is commonly used to study the effects of fatty acid composition on the physical properties and metabolic behavior of lipids, and serves as a standard or control compound in lipid metabolism, food science, and model systems.
Targets(IC50)	Endogenous Metabolite,Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.200 mL	5.9998 mL	11.9996 mL
5 mM	0.240 mL	1.200 mL	2.3999 mL
10 mM	0.120 mL	0.600 mL	1.200 mL
50 mM	0.024 mL	0.120 mL	0.240 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

Dian, et al. Characteristics of simple and chemically interesterified blends containing palm stearin, sunflower oil and palm kernel olein and potential application of the blends in fats spread formulation. *Oil Palm Bulletin* 43, 38-49 (2018).

Díaz, Y.M., et al. Biofilm inhibition activity of compounds isolated from two *Eunicea* species collected at the Caribbean Sea. *Rev. Bras. Farmacogn.* 25, 605-611 (2015).

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