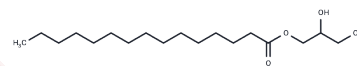


1-Pentadecanoyl-rac-glycerol

Chemical Properties

CAS No. :	62927-08-6
Formula:	C18H36O4
Molecular Weight:	316.482
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-Pentadecanoyl-rac-glycerol is a monoacylglycerol that contains pentadecanoic acid at the sn-1 position. It has been found in wheat bran extracts. ¹ 1-Pentadecanoyl-rac-glycerol levels are increased in a HepaRG cell-based model of hepatic steatosis induced by BSA-conjugated palmitate. ²
Targets(IC50)	Others,Drug Metabolite

Solubility Information

Solubility	PBS (pH 7.2): 250 ug/mL,Sonication is recommended. Ethanol: 30 mg/mL (94.79 mM),Sonication is recommended. DMF: 20 mg/mL (63.19 mM),Sonication is recommended. DMSO: 7 mg/mL (22.12 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	3.1598 mL	15.7988 mL	31.5976 mL
5 mM	0.632 mL	3.1598 mL	6.3195 mL
10 mM	0.316 mL	1.5799 mL	3.1598 mL
50 mM	0.0632 mL	0.316 mL	0.632 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

Prinsen, P., Gutiérrez, A., Faulds, C.B., et al. Comprehensive study of valuable lipophilic phytochemicals in wheat bran. *J. Agric. Food Chem.* 62(7), 1664-1673 (2014).

Brown, M.V., Compton, S.A., Milburn, M.V., et al. Metabolomic signatures in lipid-loaded HepaRGs reveal pathways involved in steatotic progression. *Obesity (Silver Spring)* 21(12), E561-E570 (2013).

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