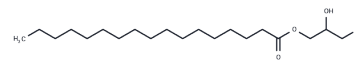


1-Heptadecanoyl-rac-glycerol

Chemical Properties

CAS No. :	5638-14-2
Formula:	C20H40O4
Molecular Weight:	344.536
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1-Heptadecanoyl-rac-glycerol is a monoacylglycerol that contains heptadecanoic acid at the sn-1 position. It is active against the bacteria <i>E. aerogens</i> , <i>E. cloacae</i> , <i>P. mirabilis</i> , and <i>S. faecalis</i> (MIC = 78 µg/ml for all). 1-Heptadecanoyl-rac-glycerol has been found in <i>T. africana</i> , <i>I. sonorae</i> , and wheat bran. ^{1,2,3}
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Solubility Information

Solubility	DMF: 3 mg/mL DMSO: 1 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9024 mL	14.5121 mL	29.0242 mL
5 mM	0.5805 mL	2.9024 mL	5.8048 mL
10 mM	0.2902 mL	1.4512 mL	2.9024 mL
50 mM	0.058 mL	0.2902 mL	0.5805 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.

Reference

Kuete, V., Metuno, R., Ngameni, B., et al. Antimicrobial activity of the methanolic extracts and compounds from *Treculia africana* and *Treculia acuminata* (Moraceae). *S. Afr. J. Bot.* 74(1), 111-115 (2008).

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