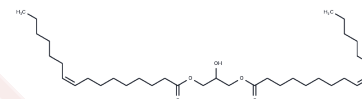


## 1,3-Dipalmitoleoyl-rac-glycerol

## Chemical Properties

CAS No. :	106352-09-4
Formula:	C35H64O5
Molecular Weight:	564.892
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-Dipalmitoleoyl-rac-glycerol is a diacylglycerol with palmitoleic acid at the sn-1 and sn-3 positions. It selectively inhibits $\alpha$ -glucosidase from <i>S. cerevisiae</i> over rat enzyme (IC50s = 4.45 and 9,326.5 $\mu$ M, respectively). 1,3-Dipalmitoleoyl-rac-glycerol has been used in the formation of lipid bilayers to study the effects of membrane composition and the ionophore valinomycin on membrane potential.
Targets(IC50)	Others,glucosidase

## Solubility Information

Solubility	Ethanol:PBS(pH 7.2) (1:1): 0.5 mg/mL (0.89 mM),Sonication is recommended. Ethanol: 10 mg/mL (17.7 mM),Sonication is recommended. DMF: 10 mg/mL (17.7 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	1.7703 mL	8.8513 mL	17.7026 mL
5 mM	0.3541 mL	1.7703 mL	3.5405 mL
10 mM	0.177 mL	0.8851 mL	1.7703 mL
50 mM	0.0354 mL	0.177 mL	0.3541 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.

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