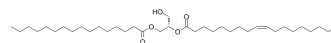


1-Palmitoyl-2-oleoyl-sn-glycerol

Cat. No.:	HY-134200
CAS No.:	29541-66-0
Molecular Formula:	C ₃₇ H ₇₀ O ₅
Molecular Weight:	594.95
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Pure form -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (21.01 mM; ultrasonic and warming and heat to 60°C)				
	Preparing Stock Solutions	<div>Solvent Concentration</div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	1.6808 mL	8.4041 mL	16.8081 mL
		5 mM	0.3362 mL	1.6808 mL	3.3616 mL
		10 mM	0.1681 mL	0.8404 mL	1.6808 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (2.10 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.10 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	1-Palmitoyl-2-oleoyl-sn-glycerol is an endogenous metabolite and is a major diacylglycerol in the hormogonium-inducing factor (HIF)-1 ^[1] .
IC ₅₀ & Target	Hormogonium-inducing factor ^[1]

REFERENCES

[1]. Hashidoko Y, et al. Isolation and characterization of 1-palmitoyl-2-linoleoyl-sn-glycerol as a hormogonium-inducing factor (HIF) from the coralloid roots of *Cycas revoluta* (Cycadaceae). *Sci Rep.* 2019 Mar 18;9(1):4751.

Caution: Product has not been fully validated for medical applications. For research use only.

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