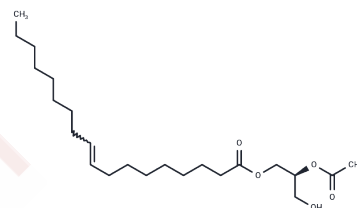


1-Oleoyl-2-acetyl-sn-glycerol

Chemical Properties

CAS No. :	86390-77-4
Formula:	C23H42O5
Molecular Weight:	398.58
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	1-Oleoyl-2-acetyl-sn-glycerol (1-oleoyl-2-acetyl-glycerol) is a cell-permeable calcium-dependent protein kinase C (PKC) activator that modulates whole-cell Ca ²⁺ currents in a variety of excitable cells and induces the production of superoxide.
Targets(IC50)	PKC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5089 mL	12.5445 mL	25.0891 mL
5 mM	0.5018 mL	2.5089 mL	5.0178 mL
10 mM	0.2509 mL	1.2545 mL	2.5089 mL
50 mM	0.0502 mL	0.2509 mL	0.5018 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

- Fujita I, et al. Diacylglycerol, 1-oleoyl-2-acetyl-glycerol, stimulates superoxide-generation from human neutrophils. *Biochem Biophys Res Commun.* 1984;120(2):318-324.
- Martin AC, et al. Capacitative and 1-oleyl-2-acetyl-sn-glycerol-activated Ca²⁺ entry distinguished using adenylyl cyclase type 8. *Mol Pharmacol.* 2006;70(2):769-777.
- Rah SY, et al. CD38/ADP-ribose/TRPM2-mediated nuclear Ca²⁺ signaling is essential for hepatic gluconeogenesis in fasting and diabetes. *Exp Mol Med.* 2023 Jul;55(7):1492-1505.

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