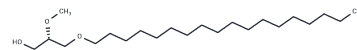


## 1-O-Octadecyl-2-O-methyl-sn-glycerol

## Chemical Properties

CAS No. :	83167-59-3
Formula:	C22H46O3
Molecular Weight:	358.6
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-O-Octadecyl-2-O-methyl-sn-glycerol is a metabolite of a phosphatidylinositol ether lipid analog (PIA). PIAs are known to target the pleckstrin homology domain of the serine/threonine kinase Akt and to induce apoptosis in cancer cell lines with high levels of endogenous Akt activity.
Targets(IC50)	Others

## Solubility Information

Solubility	DMF: 16 mg/mL (44.62 mM),Sonication is recommended. Ethanol: 5 mg/mL (13.94 mM),Sonication is recommended. DMSO: 0.16 mg/mL (0.45 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	2.7886 mL	13.9431 mL	27.8862 mL
5 mM	0.5577 mL	2.7886 mL	5.5772 mL
10 mM	0.2789 mL	1.3943 mL	2.7886 mL
50 mM	0.0558 mL	0.2789 mL	0.5577 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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