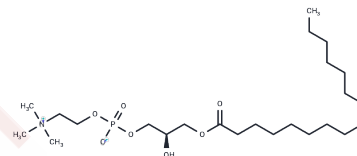


1-Palmitoleoyl-2-hydroxy-sn-glycero-3-PC

Chemical Properties

CAS No. :	76790-27-7
Formula:	C ₂₄ H ₄₈ N ₀ O ₇ P
Molecular Weight:	493.61
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-Palmitoleoyl-2-hydroxy-sn-glycero-3-PC, a lysophospholipid, enhances cAMP production in human pancreatic β cells. This effect is inhibitable by the GPR55 antagonist CID-16020046 (Item No.15247) or the GPR119 antagonist C8. Additionally, it boosts glucose-stimulated insulin secretion within these cells, a response that CID-16020046 or C8 can diminish.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0259 mL	10.1295 mL	20.2589 mL
5 mM	0.4052 mL	2.0259 mL	4.0518 mL
10 mM	0.2026 mL	1.0129 mL	2.0259 mL
50 mM	0.0405 mL	0.2026 mL	0.4052 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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