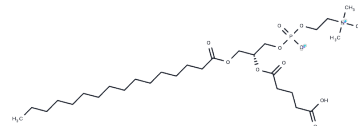


PGPC

Chemical Properties

CAS No. :	89947-79-5
Formula:	C29H56NO10P
Molecular Weight:	609.73
Appearance:	no data available
Storage:	store at low temperature, keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	PGPC (1-Palmitoyl-2-glutaryl phosphatidylcholine) is an oxidized phospholipid and activates peroxisome proliferator-activated receptor in a concentration-dependent manner.
Targets(IC50)	Others
In vitro	PGPC activates peroxisome proliferator-activated receptor in a concentration-dependent manner[3]. PGPC increases VCAM1 and E-selectin expression in human aortic endothelial cells, as well as HAEC binding by monocytes and polymorphonuclear neutrophils, in a concentration-dependent manner[4].

Solubility Information

Solubility	Ethanol: 20 mg/mL DMSO: 1 mg/mL (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6401 mL	8.2004 mL	16.4007 mL
5 mM	0.328 mL	1.6401 mL	3.2801 mL
10 mM	0.164 mL	0.820 mL	1.6401 mL
50 mM	0.0328 mL	0.164 mL	0.328 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.

Reference

Fruhworth, G.O., Loidl, A., and Hermetter, A. Oxidized phospholipids: From molecular properties to disease. *Biochimica et Biophysica Acta* 1772, 718-736 (2007).

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