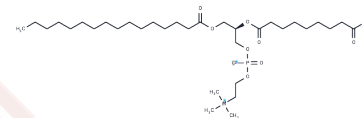


PAz-PC

Chemical Properties

CAS No. :	117746-89-1
Formula:	C33H64NO10P
Molecular Weight:	665.84
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	PAz-PC (Azelaoyl PC) is a truncated phospholipid oxidation product that enhances endothelial barrier disruption induced by heat-inactivated Staphylococcus aureus (HKSA).
Targets(IC50)	Endogenous Metabolite
In vitro	PAz-PC can cause acute lung endothelial cell barrier breakdown. [1] The oxidation of phospholipid PAz-PC can promote the permeability of Bax to mitochondrial membrane. [2]

Solubility Information

Solubility	PBS (pH 7.2): 1 mg/mL (1.5 mM), Sonication is recommended. DMF: 1 mg/mL (1.5 mM), Sonication is recommended. DMSO: 1 mg/mL (1.5 mM), Sonication is recommended. Ethanol: 8 mg/mL (12.01 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	1.5019 mL	7.5093 mL	15.0186 mL
5 mM	0.3004 mL	1.5019 mL	3.0037 mL
10 mM	0.1502 mL	0.7509 mL	1.5019 mL
50 mM	0.030 mL	0.1502 mL	0.3004 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

Karki P, et al. Amphipathic Helical Peptide L37pA Protects against Lung Vascular Endothelial Dysfunction Caused by Truncated Oxidized Phospholipids via Antagonism with CD36 Receptor. *Am J Respir Cell Mol Biol.* 2024 Jan;70(1):11-25.

Lidman M, et al. The oxidized phospholipid PazePC promotes permeabilization of mitochondrial membranes by Bax. *Biochim Biophys Acta.* 2016 Jun;1858(6):1288-97.

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