



1-Oleoyl-2-Hydroxy-sn-Glycero-3-Phosphatidic acid Na salt

Catalog: Lipo-460

PRODUCT INFORMATION

Name	1-Oleoyl-2-Hydroxy-sn-Glycero-3-Phosphatidic acid Na salt
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Cat No.	Lipo-460
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CAS	22556-62-3
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Product Overview

1-Oleoyl lysophosphatidic acid is a species of lysophosphatidic acid (LPA) containing oleic acid at the sn-1 position. Phosphatidic acid is produced either directly through the action of PLD or through a two step process involving liberation of DAG by PLC followed by phosphorylation of DAG by diglycerol kinase. Hydrolysis of the fatty acid at the sn-2 position by PLA2 yields bioactive LPA. LPA binds to one of four different G-protein linked receptors to mediate a variety of biological responses including cell proliferation, smooth muscle contraction, platelet aggregation, neurite retraction, and cell motility. 1-Oleoyl lysophosphatidic acid is the most potent of the LPA analogs for calcium mobilization in A431 cells³ and for growth stimulation of a variety of cell lines.

Purity	>98%
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Application	Liposome production; Synthetic lipid
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Molecular Mass	458.5
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Synonyms	LPA (18:1(9Z)/0:0); 18:1 Lyso PA; 1-oleoyl-sn-glycero-3-phosphatidic acid (sodium salt); 1-(9Z-octadecenoyl)-sn-glycero-3-phosphate (sodium salt)
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