1-Oleoyl Lysophosphatidic Acid (sodium salt)

Catalogue Number : 2256236

Product Information

**Synonyms:** 9-Octadecenoic acid (9Z)-, 2-hydroxy-3-(phosphonooxy)propyl ester, 1-Oleoyl-sn-glycerol 3-phosphate sodium salt, 1-oleoyl sodium salt, LPA sodium salt

**Chemical Name:** [2-hydroxy-3-(octadec-9-enoyloxy)propoxy]phosphonic acid sodium

**Molecular Formula:** C_{21}H_{40}O_{7}P Na

**Molecular Weight:** 458.5

**CAS Number:** 22556-62-3

**Purity:** ≥95%

**Applications:** FA

**Formulation:** Crystalline solid

**Storage:** Product should be kept at -20°C.

Description

1-Oleoyl Lysophosphatidic Acid is a lysophosphatidic acid (LSA) with oleic acid in the sn-1 position that is an endogenous agonist for LPA1 and LPA2 receptors. It is reported to inhibit the differentiation of neural stem cells into neurons and is involved in multiple biological activities such as smooth muscle contraction, platelet aggregation, cell proliferation, cell migration, and calcium mobilization. 1-Oleoyl Lysophosphatidic Acid is commonly used for growth stimulation in a variety of cell lines.

Preparation & Storage

Soluble in PBS pH7.2 up to 18mM. If possible aqueous solutions should be made and used on the same day.

References

