

LPA (Oleyl), Endogenous LPA receptor agonist

Catalog	Unit
TBI1449-5MG	5 mg
TBI1449-25MG	25 mg

Product Details

Formal Name: 1-Oleoyl-2-hydroxy-sn-glycerol-3-phosphate, sodium

Alternate Names: LPA · Na; Lysophosphatidic acid (oleoyl) sodium salt; 1-Oleoyl-lysophosphatidic acid, sodium salt

Molecular Formula: C₂₁H₄₀O₇P · Na

Formula Weight: 458.51

CAS Number: 325465-93-8

Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 1 mg/ml with warming) or in Water (up to 10 mg/ml with warming).

Storage: -20°C

Stability: ≥ 2 years.

Applications

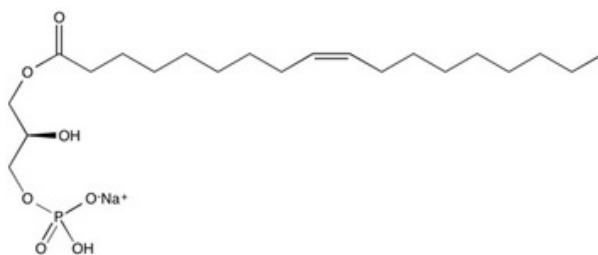
Endogenous LPA receptor agonist

Functions

A multifunctional intercellular bioactive phospholipid. Stimulates the growth of a variety of cells including fibroblasts, vascular smooth muscle cells, endothelial cells and keratinocytes among others. Acts as a proliferative and anti-apoptotic factor. Agonist at LPA₁ (EDG-2), LPA₂ (EDG-4) and LPA₃ (EDG-7) receptors. LPA-primed astrocytes induce axonal outgrowth of cortical progenitors.

Application Procedures

First dissolved in DMSO (up to 1 mg/ml with warming) or in Water (up to 10 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20° for up to 1 month.



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