Lysophosphatidic acid

LPA receptor ligand

Lysophosphatidic acid (LPA) is a multifunctional intercellular phospholipid messenger. LPA stimulates the growth of a variety of cells including fibroblasts, vascular smooth muscle cells, endothelial cells and keratinocytes. It acts as a proliferative and anti-apoptotic factor. Ligand for LPA1 (EDG-2), LPA2 (EDG-4) and LPA3 (EDG-7) receptors. It also inhibits differentiation of neural stem cells into neurons.

Citations: 12 View Online »

Ordering Information

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BML-LP100-0005	5mg
BML-LP100-0025	25mg

Manuals, SDS & CofA

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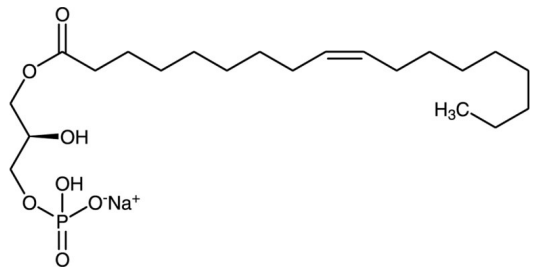
O
O
OH
OH
O
O⁻Na⁺
P
O
H3C

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store as supplied at -20°C for up to 1 year. Store solutions at -20°C for up to 1 month.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	1-Oleoyl-lysophosphatidic acid . sodium salt
Appearance	Waxy solid.
CAS	325465-93-8
Couple Target	LPA receptor
Couple Type	Ligand
Formula	$C_{21}H_{40}O_7P$. Na
MW	458.5
Purity	≥98% (TLC)
Solubility	Soluble in water (5 mg/mL with sonication) or DMSO (0.5 mg/mL warm).

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