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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Lysophosphatidic Acid, Sodium Salt

Autophagy inhibitor
Catalog No. SIH-403



Discovery through partnership | Excellence through quality

Overview

Product Name

Lysophosphatidic Acid, Sodium Salt

Description

Autophagy inhibitor

Purity

>98%

CAS No.

22556-62-3

Molecular Formula

C11H19O1P*Na

Molecular Weight

458.5

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (1 mg/ml) and warm water (10 mg/ml).

Source

Synthetic

Appearance

White powder.

SMILES

C(O[P](=O)(O)O)C(O)COC(=O)CCCCCCCC=C/CCCCCCCC

InChI

InChI=1S/C21H41O7P/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-21(23)27-18-20(22)19-28-29(24,25)26/h9-10,20,22H,2-8,11-19H2,1H3

InChIKey

WRGQSWVCFNIUNZ-GDCKJWNLSA-N

Safety Phrases

Classification: Not WHMIS controlled.

Safety Phrases:

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Cite This Product

Lysophosphatidic Acid, Sodium Salt (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-403)

Biological Description

Alternative Names

Oleoyl-lysophosphatidic acid sodium salt

Research Areas

Cancer, Autophagy

PubChem ID

5311263

Scientific Background

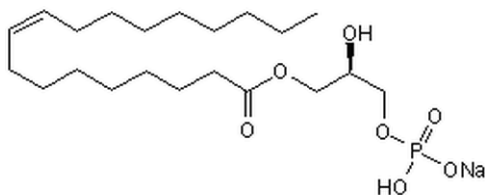
Oleoyl-lysophosphatidic acid is an endogenous agonist of the lysophospholipid receptors LPA1 and LPA2. It has been shown to induce cellular functions such as cell proliferation and migration, and ICAM-1, IL-8 and MCP-1 expression. Lysophosphatidic acid has also been observed to inhibit autophagy in cells under starvation conditions by inhibiting autophagosome formation.

References

1. van Corven E.J., et al. (1992) *Biochem J.* 281(Pt 1): 163-9.
2. Chang C.L., et al. (2007) *Autophagy.* 3(3): 268-70.

Product Images

Chemical structure of Lysophosphatidic Acid (SIH-403), a Autophagy inhibitor. CAS #: 22556-62-3 . Molecular Formula: C₂₁H₄₁O₇P. Molecular Weight: 436.5245 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.