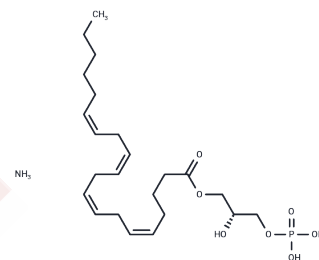


## 1-Arachidonoyl Lysophosphatidic Acid (ammonium salt)

## Chemical Properties

CAS No. :	799268-65-8
Formula:	C <sub>23</sub> H <sub>42</sub> N <sub>1</sub> O <sub>7</sub> P
Molecular Weight:	475.563
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	1-Arachidonoyl lysophosphatidic acid is a phospholipid containing arachidonic acid at the sn-1 position. It has been found in rat brain as 37% of the arachidonic acid-containing lysophosphatidic acid (LPA) species and is a precursor to 1-arachidonoyl glycerol. 1-Arachidonoyl lysophosphatidic acid binds to the LPA2/EDG4 receptor with an EC <sub>50</sub> value of approximately 10 nM. It prevents TNF- $\alpha$ and IL-6 secretion in wild-type but not Lpa2-/- dendritic cells stimulated by LPS. It also decreases differentiation of HT-29 human colon carcinoma cells to goblet cells in the presence of sodium butyrate.
Targets(IC50)	Others,Liposome

## Solubility Information

Solubility	Methanol: Sparingly Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1028 mL	10.5139 mL	21.0278 mL
5 mM	0.4206 mL	2.1028 mL	4.2056 mL
10 mM	0.2103 mL	1.0514 mL	2.1028 mL
50 mM	0.0421 mL	0.2103 mL	0.4206 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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