

1-Arachidonoyl-2-hydroxy-sn-glycero-3-PA sodium

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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-2-hydroxy-sn-glycero-3-PA (sodium) [1-Arachidonoyl-sn-glycerol 3-phosphate (sodium)] is a phospholipid containing arachidonic acid at the sn-1 position. It binds to the LPA2/EDG4 receptor with an EC50 of 10 nM and is present in the rat brain, representing 37% of arachidonic acid lysophosphatidic acid species. This compound serves as a precursor to 1-arachidonoyl-sn-glycerol and inhibits the secretion of TNF- α and IL-6 from dendritic cells stimulated by wild-type LPS. Additionally, 1-arachidonoyl-2-hydroxy-sn-glycero-3-PA (sodium) can suppress the differentiation of HT-29 colon cancer cells into goblet cells in the presence of sodium butyrate.
Targets(IC50)	LPL Receptor

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