

XY-4

Chemical Properties

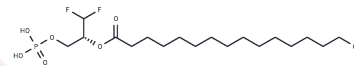
CAS No. : 474329-47-0

Formula: C₁₉H₃₇F₂O₆P

Molecular Weight: 430.46

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	XY-4, a derivative of 1-palmitoyl lysophosphatidic acid (1-palmitoyl LPA094) and an agonist of peroxisome proliferator-activated receptor γ (PPAR γ), effectively induces reporter gene expression in RAW 264.7 macrophages harboring a peroxisome proliferator-response element (PPRE) at a concentration of 5 μ M. Unlike its action on PPAR γ , XY-4 does not serve as an agonist for lysophosphatidic acid receptor 1 (LPA1), LPA2, or LPA3. Furthermore, at a lower concentration of 1 μ M, it promotes platelet aggregation in vitro and triggers carotid artery neointima formation in rats.
Targets(IC50)	Others,PPAR

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.3231 mL	11.6155 mL	23.231 mL
5 mM	0.4646 mL	2.3231 mL	4.6462 mL
10 mM	0.2323 mL	1.1615 mL	2.3231 mL
50 mM	0.0465 mL	0.2323 mL	0.4646 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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