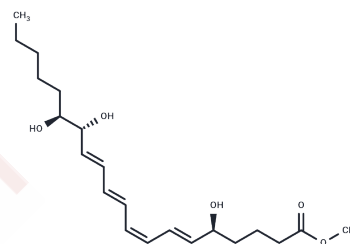


Lipoxin B4 methyl ester

Chemical Properties

CAS No. :	97589-07-6
Formula:	C ₂₁ H ₃₄ O ₅
Molecular Weight:	366.498
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	Lipoxin B4 (LXB4) methyl ester is a lipid-soluble prodrug form of the transcellular metabolite LXB4, which is a positional isomer of LXA4 produced by the metabolism of 15-HETE or 15-HpETE by human leukocytes. At 100 nM, LXB4 inhibits polymorphonuclear leukocyte (PMN) migration stimulated by leukotriene B4 and inhibits LTB4-induced adhesion of PMNs with an IC ₅₀ of 0.3 nM.
Targets(IC50)	Others,Leukotriene Receptor

Solubility Information

Solubility	PBS (pH 7.2): 1 mg/mL (2.73 mM),Sonication is recommended. Ethanol: 50 mg/mL (136.43 mM),Sonication is recommended. DMF: 50 mg/mL (136.43 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7285 mL	13.6426 mL	27.2851 mL
5 mM	0.5457 mL	2.7285 mL	5.457 mL
10 mM	0.2729 mL	1.3643 mL	2.7285 mL
50 mM	0.0546 mL	0.2729 mL	0.5457 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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