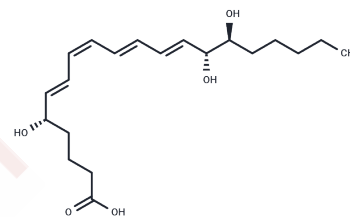


Lipoxin B4

Chemical Properties

CAS No. :	98049-69-5
Formula:	C ₂₀ H ₃₂ O ₅
Molecular Weight:	352.47
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Lipoxin B4 is a metabolite of arachidonic acid that inhibits leukocyte infiltration and mucus secretion in the nasal mucosa of the upper respiratory tract, exhibiting mucosal protective effects. It is commonly used in studies of allergic inflammation in the upper and lower respiratory tracts.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMF: 40 mg/mL (113.48 mM), Sonication is recommended. Ethanol: 40 mg/mL (113.48 mM), Sonication is recommended. PBS pH 7.2: 1 mg/mL (2.84 mM), Sonication is recommended. PBS (pH 7.2): >1 mg/mL (from 13(S)-HODE), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8371 mL	14.1856 mL	28.3712 mL
5 mM	0.5674 mL	2.8371 mL	5.6742 mL
10 mM	0.2837 mL	1.4186 mL	2.8371 mL
50 mM	0.0567 mL	0.2837 mL	0.5674 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.

Reference

- Serhan, C.N., Hamberg, M., Samuelsson, B., et al. On the stereochemistry and biosynthesis of lipoxin B Proc. Nat. Acad. Sci. USA 83(7), 1983-1987 (1986).
- Serhan, C.N., et al. Lipoxins: Novel series of biologically active compounds formed from arachidonic acid in human leukocytes Proc. Natl. Acad. Sci. U.S.A. 81(17), 5335-5339 (1984).
- Papayianni, A., et al. Lipoxin A4 and B4 inhibit leukotriene-stimulated interactions of human neutrophils and endothelial cells. Journal of Immunology 156, 2264-2272 (1996).
- Karra L, et al. Lipoxin B₄ promotes the resolution of allergic inflammation in the upper and lower airways of mice. Mucosal Immunol. 2015 Jul;8(4):852-62.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481