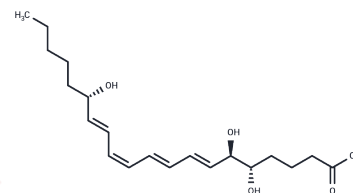


Lipoxin A4

Chemical Properties

CAS No. :	89663-86-5
Formula:	C ₂₀ H ₃₂ O ₅
Molecular Weight:	352.471
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Lipoxin A4 (LXA4) is a trihydroxy fatty acid containing a conjugated tetraene, produced by the metabolism of (±)15-HETE or 15-HpETE with human leukocytes.[1] LXA4 is equipotent to leukotriene B4 in inducing superoxide generation in human neutrophils at 0.1 μM.2 LXA4 is associated with several other biological functions including leukocyte activation, chemotaxis effects, natural killer cell inhibition, and monocyte migration and adhesion.[2],[3],[4] Analytical and biological comparisons of synthetic LXA4 with endogenously derived LXA4 have confirmed its identity as matching the natural product.[5]
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Solubility Information

Solubility	PBS (pH 7.2): 0.05 mg/mL Ethanol: 50 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

Reference

Serhan, C.N., Nicolaou, K.C., Webber, S.E., et al. Lipoxin A. Stereochemistry and biosynthesis. J. Biol. Chem. 261 (35), 16340-16345 (1986).

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