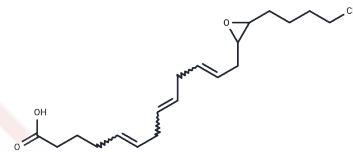


14,15-Epoxyeicosatrienoic acid

Chemical Properties

CAS No. :	81276-03-1
Formula:	C ₂₀ H ₃₂ O ₃
Molecular Weight:	320.47
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	14,15-Epoxyeicosatrienoic acid (14,15-EET), derived from Arachidonic acid metabolism, significantly inhibits platelet aggregation in vivo and enhances astrocytic A β clearance, making it relevant for Alzheimer's Disease research [1][2].
Targets(IC50)	Others,Endogenous Metabolite
In vitro	14,15-Epoxyeicosatrienoic acid (0-10 μ M) enhances A β uptake in primary astrocyte cultures [1].
In vivo	14,15-Epoxyeicosatrienoic acid (0.3 mg/kg i.v.) inhibits platelet aggregation in murine cerebral arterioles [2]. Administration of 14,15-Epoxyeicosatrienoic acid (200 ng/ml) into the hippocampus reverses A β deposition in the brains of 6-month-old male FAD mice [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1204 mL	15.6021 mL	31.2042 mL
5 mM	0.6241 mL	3.1204 mL	6.2408 mL
10 mM	0.312 mL	1.5602 mL	3.1204 mL
50 mM	0.0624 mL	0.312 mL	0.6241 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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