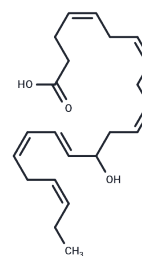


(±)13-HDHA

Chemical Properties

CAS No. : 90780-53-3
Formula: C₂₂H₃₂O₃
Molecular Weight: 344.495
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	(±)13-HDHA is an autooxidation product of docosahexaenoic acid (DHA) in vitro. It is also produced from incubations of DHA in rat liver, brain, and intestinal microsomes. Fresh water hydra was shown to metabolize DHA to 13(R)-HDHA, presumably via the 11R-lipoxygenase activity. (±)13-HDHA is a potential marker of oxidative stress in brain and retina where DHA is an abundant polyunsaturated fatty acid.
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Solubility Information

Solubility	Ethanol: Miscible PBS (pH 7.2): 0.8 mg/mL 0.1 M Na ₂ CO ₃ : 2 mg/mL DMSO: Miscible DMF: Miscible (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9028 mL	14.5138 mL	29.0276 mL
5 mM	0.5806 mL	2.9028 mL	5.8055 mL
10 mM	0.2903 mL	1.4514 mL	2.9028 mL
50 mM	0.0581 mL	0.2903 mL	0.5806 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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