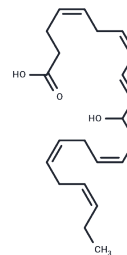


(±)11-HDHA**Chemical Properties**

CAS No. :	87018-59-5
Formula:	C22H32O3
Molecular Weight:	344.495
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	(±)11-HDHA is an autoxidation product of docosahexaenoic acid (DHA) in vitro. It is also produced from incubations of DHA in rat liver, brain, and intestinal microsomes. DHA is metabolized to 11(S)-HDHA by human platelets and canine retina. In addition to 11(S)-HDHA, 14(S)-HDHA is also produced by platelets. 11(S)-HDHA was shown to be an inhibitor of U-46619-induced human platelet aggregation and rabbit and rat aortic smooth muscle contraction with IC50 values of about 50, 4.7, and 7.5 μM, respectively. (±)11-HDHA is a potential marker of oxidative stress in brain and retina where DHA is an abundant polyunsaturated fatty acid.
Targets(IC50)	Others

Solubility Information

Solubility	0.1 M Na2CO3: 2 mg/mL (5.81 mM), Sonication is recommended. DMSO: Miscible DMF: Miscible PBS (pH 7.2): 0.8 mg/mL (2.32 mM), Sonication is recommended. Ethanol: 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.

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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