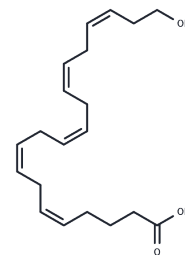


20-HEPE

Chemical Properties

CAS No. :	116477-57-7
Formula:	C ₂₀ H ₃₀ O ₃
Molecular Weight:	318.457
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	20-HEPE, a metabolite of eicosapentaenoic acid, is formed via ω -oxidation of EPA by cytochrome P450 (CYP) ω -oxidases, including human CYP4F3B. It activates peroxisome proliferator-activated receptor α (PPAR α) in COS-7 cells expressing a luciferase reporter at a concentration of 10 μ M. 20-HEPE also activates murine transient receptor potential vanilloid receptor 1 (mTRPV1) in vitro but lacks antinociceptive activity in rats.
Targets(IC50)	Others,PPAR

Solubility Information

Solubility	DMF: Miscible DMSO: Miscible PBS (pH 7.2): 0.8 mg/mL (2.51 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	3.1401 mL	15.7006 mL	31.4011 mL
5 mM	0.628 mL	3.1401 mL	6.2802 mL
10 mM	0.314 mL	1.5701 mL	3.1401 mL
50 mM	0.0628 mL	0.314 mL	0.628 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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