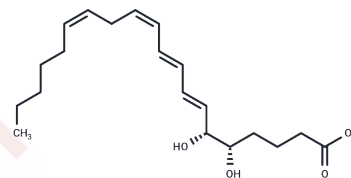


5(S),6(R)-DiHETE

Chemical Properties

CAS No. :	82948-88-7
Formula:	C ₂₀ H ₃₂ O ₄
Molecular Weight:	336.47
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	5(S),6(R)-DiHETE is a dihydroxy polyunsaturated fatty acid and a nonenzymatic hydrolysis product of leukotriene A ₄ (LTA ₄). Mouse liver cytosolic epoxide hydrolase catalyzes the conversion of LTA ₄ to 5(S),6(R)-DiHETE. It is a weak LTD ₄ receptor agonist in guinea pig lung membranes. It induces guinea pig ileum contraction with an ED ₅₀ value of 1.3 μM.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	Ethanol: >50 mg/mL (per Rao Maddipati), Sonication is recommended. DMF: >50 mg/mL (per Rao Maddipati), Sonication is recommended. DMSO: >50 mg/mL (per Rao Maddipati), Sonication is recommended. PBS (pH 7.2): >1 mg/mL (from 13(S)-HODE), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.972 mL	14.8602 mL	29.7203 mL
5 mM	0.5944 mL	2.972 mL	5.9441 mL
10 mM	0.2972 mL	1.486 mL	2.972 mL
50 mM	0.0594 mL	0.2972 mL	0.5944 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

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

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