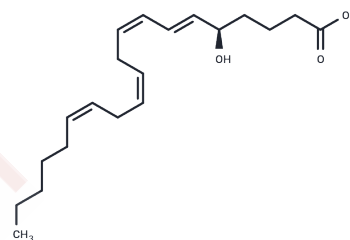


5(R)-HETE

Chemical Properties

CAS No. :	61641-47-2
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	5(R)-HETE is a rare lipoxygenase product of arachidonic acid. Nearly all plant and animal 5-LOs produce 5(S)-HETE, but the presence of a 5(R)-LO and the synthesis of 5(R)-HpETE and 5(R)-HETE have been confirmed in oocytes of the bivalve mollusk, <i>S. solidissima</i> . 5(R)-HETE is more potent than the (S)-enantiomer as a chemotactic agent for human neutrophils.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMF: Miscible 0.1 M Na ₂ CO ₃ : 2 mg/mL (6.24 mM),Sonication is recommended. Ethanol: Miscible DMSO: Miscible PBS (pH 7.2): 0.8 mg/mL (2.5 mM),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	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

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

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