

5-HETE

Chemical Properties

CAS No. : 71030-39-2

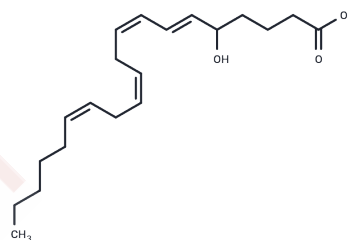
Formula: C₂₀H₃₂O₃

Molecular Weight: 320.47

Store at low temperature

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-HETE is a fatty acid metabolite and an oxidative derivative of arachidonic acid produced through lipoxygenase activity, existing as a racemic mixture of the 5(S)-HETE and 5(R)-HETE enantiomers, and it acts as a potent aggregating agent that induces the aggregation of human neutrophils with a IC ₅₀ value of approximately 200 nM.
Targets(IC ₅₀)	Others,Endogenous Metabolite

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.

Reference

J T O'Flaherty, et al. Neutrophil-aggregating activity of monohydroxyeicosatetraenoic acids. Am J Pathol. 1981 Jul; 104(1):55-62.

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