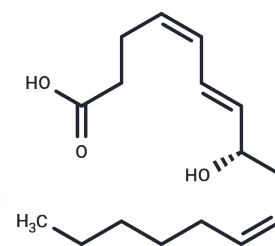


tetranor-12(S)-HETE

Chemical Properties

CAS No. :	121842-79-3
Formula:	C16H26O3
Molecular Weight:	266.381
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	12(S)-HETE is a product of arachidonic acid metabolism through the 12-lipoxygenase pathway. It is primarily found in platelets, leukocytes, and to a lesser extent in smooth muscle cells. It enhances tumor cell adhesion to endothelial cells, fibronectin, and the subendothelial matrix. tetranor-12(S)-HETE is the major β -oxidation product resulting from peroxisomal metabolism of 12(S)-HETE in numerous tissues, and Lewis lung carcinoma cells. No biological function has yet been determined for tetranor-12(S)-HETE. Some data indicate it may play a role in controlling the inflammatory response in injured corneas. In some diseases (e.g., Zellweger's Syndrome) peroxisomal abnormalities result in the inability of cells to metabolize 12(S)-HETE, which may be responsible for symptoms of the disease. The tetranor derivative of 12(S)-HETE is available as a research tool for the elucidation of the metabolic fate of its parent compound.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	Ethanol: 30 mg/mL (112.62 mM),Sonication is recommended. DMF: 25 mg/mL (93.85 mM),Sonication is recommended. PBS (pH 7.2): 0.5 mg/mL (1.88 mM),Sonication is recommended. DMSO: 25 mg/mL (93.85 mM),Sonication is recommended. 0.1 M Na ₂ CO ₃ : 2 mg/mL (7.51 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	3.754 mL	18.7702 mL	37.5404 mL
5 mM	0.7508 mL	3.754 mL	7.5081 mL
10 mM	0.3754 mL	1.877 mL	3.754 mL
50 mM	0.0751 mL	0.3754 mL	0.7508 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481