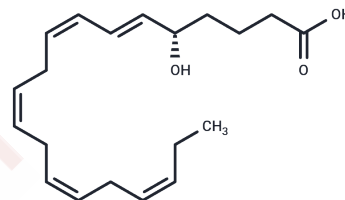


## 5(S)-HEPE

## Chemical Properties

CAS No. :	92008-51-0
Formula:	C <sub>20</sub> H <sub>30</sub> O <sub>3</sub>
Molecular Weight:	318.5
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)-HEPE, an active metabolite of eicosapentaenoic acid (EPA), is produced via the action of 5-lipoxygenase (5-LO). This compound functions as an agonist for G protein-coupled receptor 119 (GPR119), promoting cAMP accumulation in CHO-K1 cells expressing human GPR119 at 10 $\mu$ M concentration. Additionally, 5(S)-HEPE enhances glucose-stimulated insulin secretion from MING6 insulinoma pancreatic islets and glucagon-like peptide 1 (GLP-1) secretion from HuTu 80 adenocarcinoma cells at the same concentration. Notably, serum levels of 5(S)-HEPE are increased in hyperlipidemia patients.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1397 mL	15.6986 mL	31.3972 mL
5 mM	0.6279 mL	3.1397 mL	6.2794 mL
10 mM	0.314 mL	1.5699 mL	3.1397 mL
50 mM	0.0628 mL	0.314 mL	0.6279 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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