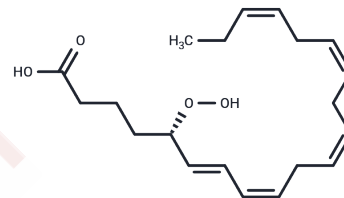


## 5(S)-HpEPE

## Chemical Properties

CAS No. :	143292-98-2
Formula:	C <sub>20</sub> H <sub>30</sub> O <sub>4</sub>
Molecular Weight:	334.45
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)-HpEPE is a monohydroperoxy polyunsaturated fatty acid produced by the action of 5-LO on EPA. It is metabolized to LTA <sub>5</sub> , a key intermediate in the formation of the 5-series leukotrienes. Alternatively, 5(S)-HpEPE is reduced to 5(S)-HEPE by peroxidases.
Targets(IC <sub>50</sub> )	Others

## Solubility Information

Solubility	PBS (pH 7.2): 0.8 mg/mL (2.39 mM), Sonication is recommended. Ethanol: Miscible DMF: Miscible 0.1 M Na <sub>2</sub> CO <sub>3</sub> : 2 mg/mL (5.98 mM), Sonication is recommended. DMSO: Miscible (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.990 mL	14.9499 mL	29.8998 mL
5 mM	0.598 mL	2.990 mL	5.980 mL
10 mM	0.299 mL	1.495 mL	2.990 mL
50 mM	0.0598 mL	0.299 mL	0.598 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.

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