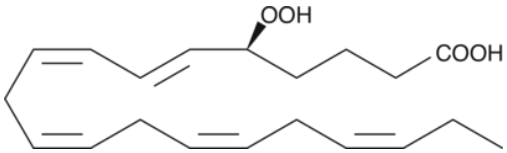
Product Data Sheet

Product Name: 5(S)-HpEPE
Cat. No.: GC41105

Chemical Properties

Cas. No.	143292-98-2		
SMILES	CC/C=C\C/C=C\C/C=C\C/C=C\C=C\[C@@H](OO)CCCC(O)=O		
Formula	C20H30O4	M.Wt	334.5
Solubility	0.1 M Na2CO3: 2 mg/ml,DMF: Miscible,DMSO: Miscible,Ethanol: Miscible,PBS pH 7.2: 0.8 mg/ml	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

5(S)-HpEPE is a monohydroperoxy polyunsaturated fatty acid produced by the action of 5-LO on EPA. It is metabolized to LTA5, a key intermediate in the formation of the 5-series leukotrienes. Alternatively, 5(S)-HpEPE is reduced to 5(S)-HEPE by peroxidases.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA