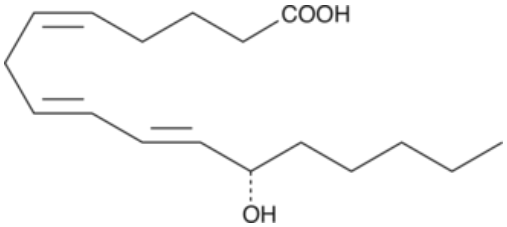
Product Data Sheet

Product Name: 12(S)-HHTrE
Cat. No.: GC41883

Chemical Properties

Cas. No.	54397-84-1		
SMILES	CCCCC[C@H](O)/C=C/C=C/C/C=C\CCCC(O)=O		
Formula	$C_{17}H_{28}O_3$	M.Wt	280.4
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

12(S)-HHTrE is a product of the cyclooxygenase (COX) pathway and one of the primary arachidonic acid metabolites of human platelets. It is biosynthesized by thromboxane (TXA2) synthase from prostaglandin H2 (PGH2) concurrently with TXA2. 12(S)-HHTrE is a natural lipid agonist of the leukotriene B2 receptor BLT2 in vivo that induces chemotaxis of mast cells and accelerates wound closure. 12(S)-HHTrE is avidly oxidized to 12-oxoHTrE by porcine 15-hydroxy PGDH.

Caution: Product has not been fully validated for medical applications. For research use only.
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