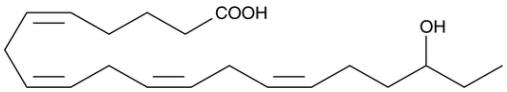
Product Data Sheet

Product Name: (±)18-HETE
Cat. No.: GC40436

Chemical Properties

Cas. No.	133268-58-3		
SMILES	CCC(O)CC/C=C\C/C=C\C/C=C\C/C=C\CCCC(=O)O		
Formula	C20H32O3	M.Wt	320.5
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

(±)18-HETE is the racemic version of a cytochrome P450 (CYP450) metabolite of arachidonic acid. When formed by the CYP2E1 isoform, 18-HETE is comprised 100% of the (R) isomer. 18(R)-HETE dose-dependently stimulates vasodilation of the rabbit kidney, whereas 18(S)-HETE does not affect perfusion pressure. 18-HETE has negligible effects on ATPase activity. 18(R)-HETE at 1 µM completely blocks 20-HETE-induced vasoconstriction of renal arterioles.

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