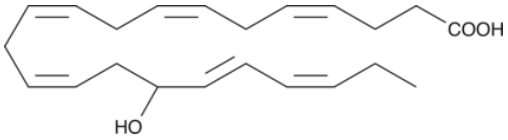
Product Data Sheet

Product Name: (±)16-HDHA
Cat. No.: GC41196

Chemical Properties

Cas. No.	90780-51-1		
SMILES	CC/C=C\C=C/C(O)C/C=C\C/C=C\C/C=C\C/C=C\CCC(=O)O		
Formula	$C_{22}H_{32}O_3$	M.Wt	344.5
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

(±)16-HDHA is an autoxidation product of docosahexaenoic acid (DHA) in vitro. It is also produced from incubations of DHA in rat liver, brain, and intestinal microsomes. (±)16-HDHA is a potential marker of oxidative stress in brain and retina where DHA is an abundant polyunsaturated fatty acid.

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