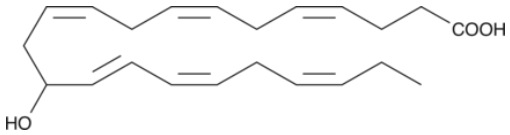
Product Data Sheet

Product Name: (±)13-HDHA
Cat. No.: GC41192

Chemical Properties

Cas. No.	90780-53-3		
SMILES	CCC/C=C\C/C=C\C/C=C\CC(O)\C=C\C=C\C/C=C\CC		
Formula	C22H32O3	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

(±)13-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. Fresh water hydra was shown to metabolize DHA to 13(R)-HDHA, presumably via the 11R-lipoxygenase activity. (±)13-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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