

Product Data Sheet

Product Name: 13(S)-HOTrE

Cat. No.: GC41897

Chemical Properties

Cas. No. 87984-82-5

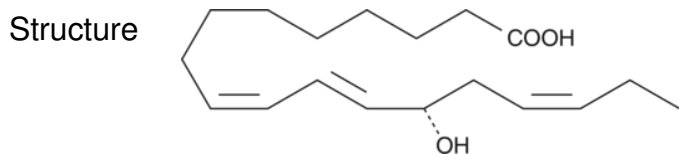
SMILES CC/C=C\C[C@@H](O)/C=C/C=C\CCCCCCCC(O)=O

Formula C₁₈H₃₀O₃ M.Wt 294.4

Solubility 0.1 M Na₂CO₃: 2 mg/ml, DMF: Storage Store at -20°C
Miscible, DMSO: Miscible, Ethanol:
Miscible, PBS pH 7.2: 0.8 mg/ml

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.



Background

13(S)-HOTrE is the 15-lipoxygenase (15-LO) product of linolenic acid. It has been detected in cell membranes and as the cholesteryl ester associated with the lesions of atherosclerosis, and in the biomembranes of soybeans exposed to 15-LO.

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

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