

Product Data Sheet

Product Name: 17(S)-HETE

Cat. No.: GC40456

Chemical Properties

Cas. No. 183509-25-3

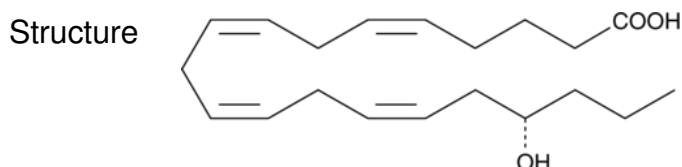
SMILES CCC[C@H](O)C/C=C\C/C=C\C/C=C\C/C=C\CCCC(O)=O

Formula C₂₀H₃₂O₃ M.Wt 320.5

Solubility 0.1 M Na₂CO₃: 2 mg/ml, DMF: 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 sizes: ship with RT, or blue ice upon request.



Background

Electrolyte and fluid transport in the kidney are regulated in part by arachidonic acid and its metabolites. Electrolyte and fluid transport in the kidney are regulated in part by arachidonic acid and its metabolites. 17-HETE is a cytochrome P450 (CYP450) metabolite of arachidonic acid that has stereospecific effects on sodium transport in the kidney. 17(S)-HETE inhibits proximal tubule ATPase activity by as much as 70% at a concentration of 2 µM.

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

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