

Product Data Sheet

Product Name: 5(S)-HEPE

Cat. No.: GC40378

Chemical Properties

Cas. No. 92008-51-0

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

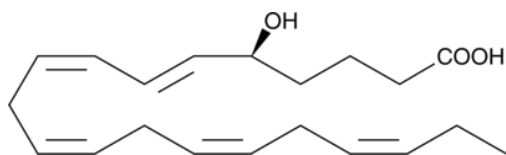
Formula C₂₀H₃₀O₃ M.Wt 318.5

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 size: ship with RT, or blue ice upon request.

Structure



Background

5(S)-HEPE is produced by 5-lipoxygenase catalyzed oxidation of eicosapentaenoic acid (EPA). While the synthesis of 5(S)-HEPE from EPA by tissue homogenates has been demonstrated, the biological activity of 5(S)-HEPE is poorly documented. It remains to be determined whether this activity differs substantially from that of 5(S)-HETE.

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

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