

Product Data Sheet

Product Name: 5(S)-HpEPE

Cat. No.: GC41105

Chemical Properties

Cas. No. 143292-98-2

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

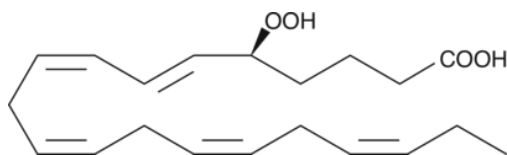
Formula C₂₀H₃₀O₄ M.Wt 334.5

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)-HpEPE is a monohydroperoxy polyunsaturated fatty acid produced by the action of 5-LO on EPA. It is metabolized to LTA₅, a key intermediate in the formation of the 5-series leukotrienes. Alternatively, 5(S)-HpEPE is reduced to 5(S)-HEPE by peroxidases.

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

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