

Product Data Sheet

Product Name: (±)9-HETE

Cat. No.: GC40443

Chemical Properties

Cas. No. 79495-85-5

SMILES CCCCC/C=C\C/C=C\C(CC(O)\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 size: ship with RT, or blue ice upon request.



Background

(±)9-HETE is one of the six monohydroxy fatty acids produced by the non-enzymatic oxidation of arachidonic acid. The individual R and S isomers of racemic HETEs have been separated and identified using chiral phase HPLC. The racemic HETEs have been quantified as an index of lipid peroxidation using GC/MS.

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

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