

Product Data Sheet

Product Name: (±)5(6)-DiHETE

Cat. No.: GC41119

Chemical Properties

Cas. No. 845673-97-4

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

Formula C₂₀H₃₂O₄

M.Wt 336.5

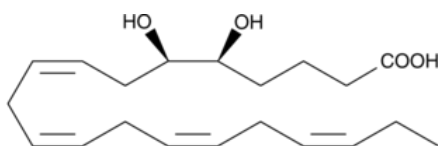
Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 30 mg/ml, PBS (pH 7.2): 0.5 mg/ml

Storage Store at -20°C

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



NOTE: Relative stereochemistry shown in chemical structure

Background

Eicosapentaenoic acid is an ω-3 polyunsaturated fatty acid that is abundant in marine organisms and fish oils. EPA is metabolized, in part, through cytochrome P450-catalyzed epoxidation followed by conversion to the vicinal diols by epoxide hydrolases. (±)5(6)-DiHETE is a possible metabolite produced from EPA following epoxidation of the α-5 double bond. The biological activity of (±)5(6)-DiHETE has not been documented.

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

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