

Product Data Sheet

Product Name: (±)17(18)-DiHETE

Cat. No.: GC41117

Chemical Properties

Cas. No.

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

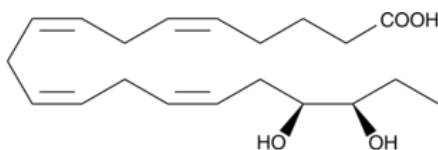
Formula C₂₀H₃₂O₄ M.Wt 336.5

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 30 mg/ml, PBS (pH 7.2): .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 fatty acid abundantly available in marine organisms. (±)17(18)-DiHETE is one of the major metabolites produced when eicosapentaenoic acid (EPA) is incubated with various rat tissue homogenates or cynomolgus monkey seminal vesicles. The route of production of (±)17(18)-DiHETE likely proceeds through cytochrome P450-catalyzed epoxidation at the ω -3 double bond followed by conversion to the vicinal diols by epoxide hydrolase. EPA is also metabolized preferentially by *Gaeumannomyces graminis* to (±)17(18)-DiHETE.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA