

Product Data Sheet

Product Name: (±)5(6)-EpETE methyl ester

Cat. No.: GC41319

Chemical Properties

Cas. No. 127716-49-8

SMILES CC/C=C\C/C=C\C/C=C\C/C=C\C/C=C\C[C@H]1O[C@H]1CCCC(=O)OC

Formula C₂₁H₃₂O₃

M.Wt 332.5

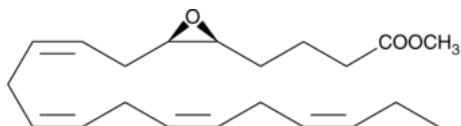
Solubility DMF: 10 mg/ml, DMSO: 20 mg/ml, Ethanol: 20 mg/ml, Ethanol: PBS (pH 7.2) (1:1): 500 µg/ml

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

(±)5(6)-EpETE methyl ester is a derivative of 5(6)-EpETE which is stable enough to ship and handle routinely. (±) 5(6)-EpETE methyl ester is a chemically less reactive derivative of 5(6)-EpETE. The active free acid can be generated from the methyl ester by careful base hydrolysis. Epoxy eicosatetraenoic acids (EpETEs) are the epoxxygenase metabolites of EPA. A number of vicinal diol metabolites of EpETEs have been detected in the plasma of patients on marine oil dietary supplementation, while in subjects on a typical western diet these compounds are generally not detected. The specific biologic activity of 5(6)-EpETE and its methyl ester have not been documented.

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

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