

Product Data Sheet

Product Name: 5-OxoETE methyl ester

Cat. No.: GC41322

Chemical Properties

Cas. No. 74785-00-5

SMILES CCCCC/C=C\C/C=C\C/C=C\C/C=C\C(CCCC(OC)=O)=O

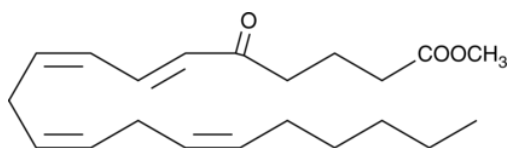
Formula C₂₁H₃₂O₃ M.Wt 332.5

Solubility 0.1 M Na₂CO₃: 2 mg/ml, DMF: miscible, DMSO: miscible, Ethanol: miscible, PBS (pH 7.2): 0.8 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



Background

5-OxoETE methyl ester is an esterified form of the polyunsaturated keto acid 5-oxoETE. 5-OxoETE methyl ester is an agonist of oxoeicosanoid receptor 1 (OXER1; EC₅₀ = 1.54 μM for β-arrestin recruitment) that has a higher maximal response than 5-oxoETE in a β-arrestin assay.

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

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