

Product Data Sheet

Product Name: (±)8(9)-EET methyl ester

Cat. No.: GC40838

Chemical Properties

Cas. No.

SMILES CCCCC/C=C\C/C=C\C[C@@H](O1)[C@@H]1C/C=C\CCCC(OC)=O

Formula C₂₁H₃₄O₃ M.Wt 334.5

Solubility DMF: >50 mg/ml (per Rao Maddipati), DMSO: >50 mg/ml (per Rao Maddipati), Ethanol: >50 mg/ml (per Rao Maddipati), PBS pH 7.2: >1 mg/ml (from 13(S)-HODE)

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

(±)8(9)-EET is biosynthesized in rat and rabbit liver microsomes by CYP450. (±)8(9)-EET is a major CYP450 metabolite in the renal cortex. (±)8(9)-EET reduces GFR through cyclooxygenase-dependent preglomerular vasoconstriction. (±)8(9)-EET methyl ester is a more stable form used for long-term storage. It can be readily hydrolyzed to the free acid as needed.

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