

Product Data Sheet

Product Name: (±)18-HETE

Cat. No.: GC40436

Chemical Properties

Cas. No. 133268-58-3

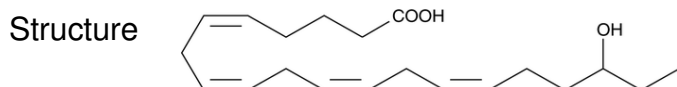
SMILES CCC(O)CC/C=C\C/C=C\C/C=C\C/C=C\C/C=C\CCCC(=O)O

Formula C₂₀H₃₂O₃ M.Wt 320.5

Solubility 0.1 M Na₂CO₃: 2 mg/ml, DMF: Storage Store at -20°C
Miscible, DMSO: Miscible, Ethanol:
Miscible, PBS (pH 7.2): 0.8 mg/ml

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.



Background

(±)18-HETE is the racemic version of a cytochrome P450 (CYP450) metabolite of arachidonic acid. When formed by the CYP2E1 isoform, 18-HETE is comprised 100% of the (R) isomer. 18(R)-HETE dose-dependently stimulates vasodilation of the rabbit kidney, whereas 18(S)-HETE does not affect perfusion pressure. 18-HETE has negligible effects on ATPase activity. 18(R)-HETE at 1 μM completely blocks 20-HETE-induced vasoconstriction of renal arterioles.

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