

Product Data Sheet

Product Name: 15(S)-HETE

Cat. No.: GC40451

Chemical Properties

Cas. No. 54845-95-3

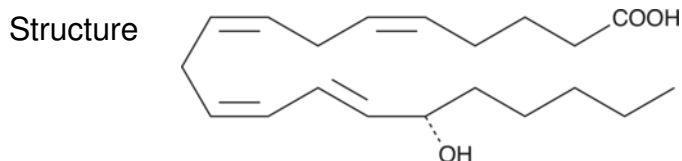
SMILES CCCCC[C@H](O)/C=C/C=C\C/C=C\C/C=C\C/C=C\CCCC(O)=O

Formula $C_{20}H_{32}O_3$ M.Wt 320.5

Solubility 0.1 M Na_2CO_3 : 2 mg/ml, DMF: Storage Store at $-20^{\circ}C$
Miscible, DMSO: Miscible, Ethanol:
Miscible, PBS (pH 7.2): 0.8 mg/ml

General For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Evaluation sample solution: ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.



Background

15(S)-HETE is a major arachidonic acid metabolite from the 15-lipoxygenase pathway. In mammals, 15(S)-HETE is synthesized in the respiratory epithelium, leukocytes, and reticulocytes. 15(S)-HETE is present in $\mu g/ml$ concentrations in the nasal secretions of allergic rhinitis.

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

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