

Product Data Sheet

Product Name: 13(S)-HODE cholesteryl ester

Cat. No.: GC41895

Chemical Properties

Cas. No. 141554-21-4

SMILES CCCC[C@@H](/C=C/C=C\CCCCCCCC(O[C@H]1CC[C@]2(C(C1)=CC[C@H]3[C@@H]4CC[C@@H]([C@]4(CC[C@H]23)C)[C@@H](CCCC(C)C)C)=O)O

Formula C₄₅H₇₆O₃

M.Wt 665.1

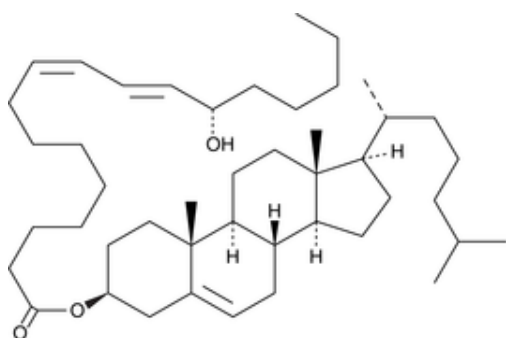
Solubility DMF: >50 mg/ml, DMSO: >50 mg/ml, Ethanol: >50 mg/ml, Ethanol: PBS (1:10): <10 μg/ml

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



Background

13(S)-HODE cholesteryl ester was originally extracted from atherosclerotic lesions. It remains uncertain whether the oxidized fatty acid portion of the molecule results from enzymatic lipoxygenation or from random lipid peroxidation. 13(S)-HODE cholesteryl ester can be used as a standard for analysis of chiral HODE cholesteryl esters.

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

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