

Product Data Sheet

Product Name: 9(R)-HODE

Cat. No.: GC40542

Chemical Properties

Cas. No. 10075-11-3

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

Formula C18H32O3 M.Wt 296.5

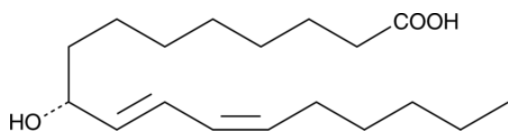
Solubility DMF: >50 mg/ml (per Rao Maddipati), DMSO: >50 mg/ml (per Rao Maddipati), Ethanol: >50 mg/ml (per Rao Maddipati), PBS pH 7.2: >1 mg/ml (from 13(S)-HODE)

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



Background

9(R)-HODE is one of several monohydroxylated products of linoleic acid. All known mammalian lipoxygenases appear to catalyze the oxygenation of arachidonic and linoleic acid to give products having strictly the (S) configuration at the site of oxygen insertion. However, both human umbilical vein endothelial cells and bovine aorta endothelial cells have been shown to produce 9(R)-HODE when incubated with linoleic acid. The physiological function of 9(R)-HODE and the enzyme that catalyzes its formation have not been determined.

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