

## Product Data Sheet

Product Name: 5(R)-HETE

Cat. No.: GC40459

### Chemical Properties

Cas. No. 61641-47-2

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

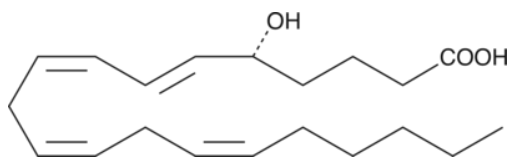
Formula C<sub>20</sub>H<sub>32</sub>O<sub>3</sub> M.Wt 320.5

Solubility 0.1 M Na<sub>2</sub>CO<sub>3</sub>: 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.

Structure



### Background

5(R)-HETE is a rare lipoxygenase product of arachidonic acid. Nearly all plant and animal 5-LOs produce 5(S)-HETE, but the presence of a 5(R)-LO and the synthesis of 5(R)-HpETE and 5(R)-HETE have been confirmed in oocytes of the bivalve mollusk, *S. solidissima*. 5(R)-HETE is more potent than the (S)-enantiomer as a chemotactic agent for human neutrophils.

**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