

Product Data Sheet

Product Name: 5(S),6(S)-DiHETE MaxSpec® Standard

Cat. No.: GC41132

Chemical Properties

Cas. No. 82948-87-6

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

Formula C₂₀H₃₂O₄

M.Wt 336.5

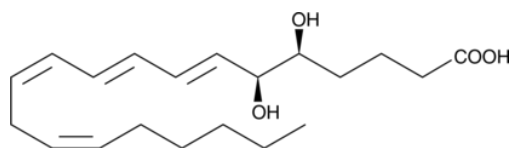
Solubility Soluble in DMSO

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

5(S),6(S)-DiHETE is one of the four diastereomeric 5,6-dihydroxy acids produced from the non-enzymatic hydrolysis of LTA₄. 5(S),6(S)-DiHETE does not have significant leukotriene-like activity. 5(S),6(S)-DiHETE MaxSpec® standard is a quantitative grade standard of 5(S),6(S)-DiHETE that has been prepared specifically for mass spectrometry and related applications where quantitative reproducibility is required. The solution has been prepared gravimetrically and is supplied in a deactivated glass ampule sealed under argon. The concentration was verified by comparison to an independently prepared calibration standard. This 5(S),6(S)-DiHETE MaxSpec® standard is guaranteed to meet identity, purity, stability, and concentration specifications and is provided with a batch-specific certificate of analysis. Ongoing stability testing is performed to ensure the concentration remains accurate throughout the shelf life of the product. Note: The amount of solution added to the vial is in excess of the listed amount. Therefore, it is necessary to accurately measure volumes for preparation of calibration standards. Follow recommended storage and handling conditions to maintain product quality.

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

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