

Product Data Sheet

Product Name: 2-hydroxy Lignoceric Acid

Cat. No.: GC40473

Chemical Properties

Cas. No. 544-57-0

SMILES CCCCCCCCCCCCCCCCCCCCCCCC(O)C(O)=O

Formula C₂₄H₄₈O₃ M.Wt 384.6

Solubility Chloroform:Methanol (5:1): soluble 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.



Background

2-hydroxy Lignoceric acid is an α -hydroxy very long chain fatty acid that is normally present in the mammalian nervous system. In the brain, 2-hydroxy lignoceric acid is derived from lignoceric acid and further converted to ceramides and cerebrosides during the process of nerve sheath myelination. 2-hydroxy Lignoceric acid is produced by the α -oxidation of lignoceric acid in the peroxisome and defects in this pathway are associated with disorders such as Zellweger syndrome.

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