

Product Data Sheet

Product Name: 16-hydroxy Hexadecanoic Acid

Cat. No.: GC41945

Chemical Properties

Cas. No. 506-13-8

SMILES OCCCCCCCCCCCCCCC[H].O=C=O

Formula C16H32O3

M.Wt 272.4

Solubility DMF: 20 mg/ml, DMSO: 20 mg/ml, DMSO:PBS(pH 7.2) (1:2): 0.33 mg/ml, Ethanol: 2.5 mg/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

16-hydroxy Hexadecanoic acid is a metabolite of the saturated fatty acid palmitic acid (16:0) that has been hydroxylated on its terminal (ω) carbon. It is produced by ω -hydroxylation of palmitic acid by cytochrome P450 in both plants and animals. In plants, it is commonly a component of cutin.

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

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