

Product Data Sheet

Product Name: Hexanoic Acid-d3

Cat. No.: GC45720

Chemical Properties

Cas. No. 55320-69-9

SMILES [2H]C([2H])([2H])CCCCC(O)=O

Formula C₆H₉D₃O₂

M.Wt 119.2

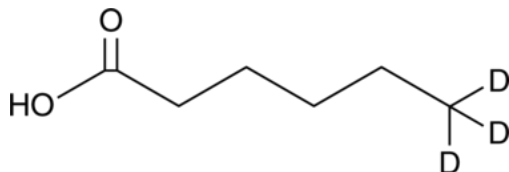
Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 30 mg/ml

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

Hexanoic acid-d3 is intended for use as an internal standard for the quantification of hexanoic acid by GC- or LC-MS. Hexanoic acid is a short-chain saturated fatty acid that has been found in various animal fats used in biodiesel production.¹

[1. Sales, E.A., Ghirardi, M.L., and Jorquera, O. Subcritical ethylic biodiesel production from wet animal fat and vegetable oils: A net energy ratio analysis. Energy Convers. Manag. 141, 216-223 (2017).

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

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