

Product Data Sheet

Product Name: 10-methyl Lauric Acid

Cat. No.: GC52345

Chemical Properties

Cas. No. 7416-57-1

SMILES CCC(CCCCCCCCC(O)=O)C

Formula C₁₃H₂₆O₂

M.Wt 214.3

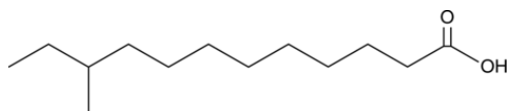
Solubility DMF: 2 mg/ml, DMSO: 10 mg/ml, Ethanol: 3 mg/ml, PBS (pH 7.2): insol

Storage -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

10-methyl Lauric acid is a methyl branched-chain fatty acid.^{1,2} It has been found in the Gram-positive bacteria *B. acetyllicum*, as well as the mandibular gland secretions of carpenter ant species, including *C. herculeanus*, *C. ligniperda*, and *C. pennsylvanicus*.

1.Brand, J.M., Fales, H.M., Sokoloski, E.A., et al. Identification of mellein in the mandibular gland secretions of carpenter ants *Life Sci.* 13(3)201-211 (1973) 2.Bernard, K.A., Bellefeuille, M., and Ewan, E.P. Cellular fatty acid composition as an adjunct to the identification of asporogenous, aerobic gram-positive rods *J. Clin. Microbiol.* 29(1)83-89 (1991)

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

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