

Product Data Sheet

Product Name: 14-methyl Pentadecanoic Acid

Cat. No.: GC49831

Chemical Properties

Cas. No. 4669-02-7

SMILES CC(C)CCCCCCCCCCCCC(O)=O

Formula C₁₆H₃₂O₂

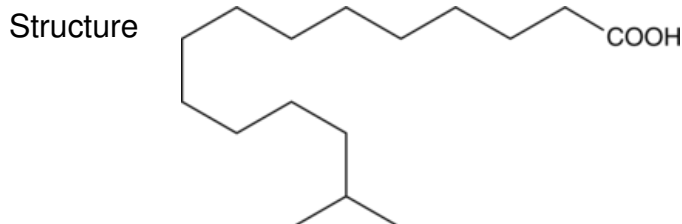
M.Wt 256.4

Solubility DMF: soluble, DMSO: soluble, Ethanol: soluble

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.



Background

14-methyl Pentadecanoic acid is a branched-chain fatty acid that has been found in soil bacteria.^{1,2}

1. Kim, I., Choi, J., Chhetri, G., et al. *Lysobacter helvus* sp. nov. and *Lysobacter xanthus* sp. nov., isolated from Soil in South Korea *Antonie Van Leeuwenhoek* 112(8)1253-1262(2019)
2. Erwin, G.S., Heikkinen, J., Halimaa, P., et al. *Streptomyces lasalocidi* sp. nov. (formerly 'Streptomyces lasaliensis'), an actinomycete isolated from soil which produces the polyether antibiotic lasalocid *Int. J. Syst. Evol. Microbiol.* 70(5)3076-3083(2020)

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

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