
Product Data Sheet

Product Name: Heptadecanoic acid

Cat. No.: GC38294

Chemical Properties

Cas. No. 506-12-7

SMILES CCCCCCCCCCCCCCCCC(=O)O

Formula C₁₇H₃₄O₂

M.Wt 270.45

Solubility DMF: 25 mg/ml, DMF:PBS(pH 7.2)(1:1): 0.25 mg/ml, DMSO:
10 mg/ml, Ethanol: 25 mg/mlStore
Storage 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**

Heptadecanoic acid is an odd-chain saturated fatty acid that contains seventeen carbons and has been found in milk fat.¹ Heptadecanoic acid has been used as an internal standard for the quantification of fatty acids in human plasma by LC- and GC-MS and as a biomarker for dairy fat intake.^{1,2}

1. Jenkins, B., West, J.A., and Koulman, A. A review of odd-chain fatty acid metabolism and the role of pentadecanoic acid (c15:0) and heptadecanoic acid (c17:0) in health and disease *Molecules* 20(2)2425-2444(2015)
2. Yakoob, M.Y., Shi, P., Hu, F.B., et al. Circulating biomarkers of dairy fat and risk of incident stroke in U.S. men and women in 2 large prospective cohorts *Am. J. Clin. Nutr.* 100(6)1437-1447(2014)

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

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