

Product Data Sheet

Product Name: 14-methyl Palmitic Acid methyl ester

Cat. No.: GC41546

Chemical Properties

Cas. No. 2490-49-5

SMILES CC(CC)CCCCCCCCCCCCC(OC)=O

Formula C₁₈H₃₆O₂

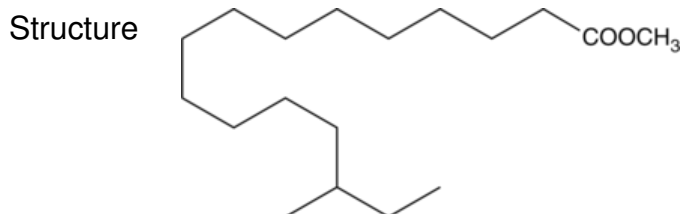
M.Wt 284.5

Solubility DMF: 20 mg/ml, DMSO: 20 mg/ml, Ethanol: 20 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.



Background

14-methyl Palmitic acid methyl ester is a methylated fatty acid methyl ester that has been found in *A. indica* leaf extract, *S. alboblavus* TD-1, and as a minor component in biodiesel produced from *C. sorokiniana* microalgae. It is a volatile compound released by maize that reduces growth of *F. verticillioides* in a concentration-dependent manner. 14-methyl Palmitic acid methyl ester has been used as a standard for the quantification of 14-methyl palmitic acid in various foods by GC-MS.

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

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