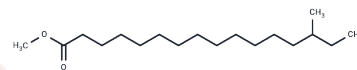


14-methyl Palmitic Acid methyl ester

Chemical Properties

CAS No. :	2490-49-5
Formula:	C18H36O2
Molecular Weight:	284.48
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	14-Methyl palmitic acid methyl ester is a methylated fatty acid methyl ester identified in <i>A. indica</i> leaf extract, <i>S. alboflavus</i> TD-1, and as a less prominent constituent in biodiesel from <i>C. sorokiniana</i> microalgae. It acts as a volatile agent emanating from maize, impeding the growth of <i>F. verticillioides</i> in a dose-responsive manner. Additionally, this compound is utilized as a reference standard for quantifying 14-methyl palmitic acid in diverse foods via GC-MS. [Matreya, LLC. Catalog No. 1614]
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5152 mL	17.5759 mL	35.1519 mL
5 mM	0.703 mL	3.5152 mL	7.0304 mL
10 mM	0.3515 mL	1.7576 mL	3.5152 mL
50 mM	0.0703 mL	0.3515 mL	0.703 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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