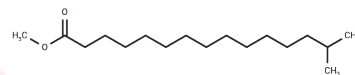


14-methyl Pentadecanoic Acid methyl ester

Chemical Properties

| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| CAS No. : | 5129-60-2 |
| Formula: | C17H34O2 |
| Molecular Weight: | 270.457 |
| 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 Pentadecanoic acid methyl ester is a methylated fatty acid methyl ester that has been found in <i>S. zeai</i> sea sponges as the fatty acyl component of zeamide, <i>A. indica</i> leaf extract, and <i>C. vulgaris</i> and <i>H. pluvialis</i> microalgae. It is a major component of the vancomycin-induced biofilm produced by vancomycin-resistant <i>S. aureus</i> (VRSA). 14-methyl Pentadecanoic acid methyl ester has been used as a standard for the quantification of 14-methyl pentadecanoic acid in various foods by GC-MS. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|------------------------------------------------------------------------------------------------------------|
| Solubility | Chloroform: Soluble Ethanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|------------------------------------------------------------------------------------------------------------|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 3.6974 mL | 18.487 mL | 36.974 mL |
| 5 mM | 0.7395 mL | 3.6974 mL | 7.3948 mL |
| 10 mM | 0.3697 mL | 1.8487 mL | 3.6974 mL |
| 50 mM | 0.0739 mL | 0.3697 mL | 0.7395 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481