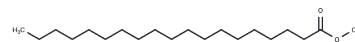


## Methyl Nonadecanoate

## Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 1731-94-8                                                |
| Formula:          | C <sub>20</sub> H <sub>40</sub> O <sub>2</sub>           |
| Molecular Weight: | 312.53                                                   |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



## Biological Description

|               |                                                                                    |
|---------------|------------------------------------------------------------------------------------|
| Description   | Methyl Nonadecanoate (Nonadecanoic Acid methyl ester) is a fatty acid methyl ester |
| Targets(IC50) | Others                                                                             |

## Solubility Information

|            |                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 7 mg/mL (22.39 mM),<br>Ethanol: 63 mg/mL (21.58 mM),<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|----------------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.1997 mL | 15.9985 mL | 31.9969 mL |
| 5 mM  | 0.6399 mL | 3.1997 mL  | 6.3994 mL  |
| 10 mM | 0.320 mL  | 1.5998 mL  | 3.1997 mL  |
| 50 mM | 0.064 mL  | 0.320 mL   | 0.6399 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.

## Reference

Evandro P , Amanda N , Braun J V , et al. Development and validation of analytical methodology by GC-FID using hexadecyl propanoate as an internal standard to determine the bovine tallow methyl esters content[J]. Journal of

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