

## Diethyl Decanedioate

## Chemical Properties

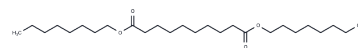
CAS No. : 2432-87-3

Formula: C<sub>26</sub>H<sub>50</sub>O<sub>4</sub>

Molecular Weight: 426.67

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

|               |   |
|---------------|---|
| Description   | Diethyl Decanedioate is commonly used as a plasticiser and is widely used in biochemical experiments and drug synthesis research. |
| Targets(IC50) | Others  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 1 mg/mL (2.34 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.3437 mL | 11.7187 mL | 23.4373 mL |
| 5 mM  | 0.4687 mL | 2.3437 mL  | 4.6875 mL  |
| 10 mM | 0.2344 mL | 1.1719 mL  | 2.3437 mL  |
| 50 mM | 0.0469 mL | 0.2344 mL  | 0.4687 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.

## Reference

Barupal DK, Fiehn O. Generating the Blood Exposome Database Using a Comprehensive Text Mining and Database Fusion Approach. Environ Health Perspect. 2019 Sep;127(9):97008. doi: 10.1289/EHP4713. Epub 2019 Sep 26.

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