# Tetradecanedioic acid

Catalog No.C11823 Batch:C1182303

# Product Datasheet

## Technical Data

| | | | | | | |
|---|---|---|---|---|---|---|
| **Formula** | $C_{14}H_{26}O_4$ | | | | | |
| **Molecular Weight** | 258.35 | **CAS No.** | 821-38-5 | | | |
| **Solubility (25°C)*** | In vitro | DMSO | 52 mg/mL (201.27 mM) | | | |
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| | *In vivo* (Add solvents to the product individually and in order) | Oral Administration | Homogeneous suspension | CMC-NA | ≥5mg/ml | Taking the 1 mL working solution as an example, add 5 mg of this product to 1 ml of CMC-Na solution, mix evenly to obtain a homogeneous suspension with a final concentration of 5 mg/ml. |

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Capsid Bio tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
* Room temperature shipping (Stability testing shows this product can be shipped at 2-8°C for storage purposes.)

## Preparing Stock Solutions

| Concentration \ Volume / Mass | 1 mg | 5 mg | 10 mg |
|---|---|---|---|
| 1 mM | 3.8707 mL | 19.3536 mL | 38.7072 mL |
| 5 mM | 0.7741 mL | 3.8707 mL | 7.7414 mL |
| 10 mM | 0.3871 mL | 1.9354 mL | 3.8707 mL |
| 50 mM | 0.0774 mL | 0.3871 mL | 0.7741 mL |

## Biological Activity

| | |
|---|---|
| **Description** | Tetradecanedioic acid (Tetradecanedicarboxylate) is a C14 dicarboxylic acid. |

### RETURN POLICY

Capsid Bio's Unconditional Return Policy ensures a smooth online shopping experience for our customers. If you are in any way unsatisfied with your purchase, you may return any item(s) within 7 days of receiving it. In the event of product quality issues, either protocol related or product related problems, you may return any item(s) within 365 days from the original purchase date. Please follow the instructions below when returning products.

### SHIPPING & STORAGE

Capsid Bio products are transported at room temperature. If you receive the product at room temperature, please rest assured, the Capsid Bio Quality Inspection Department has conducted experiments to verify that the normal temperature placement of one month will not affect the biological activity of powder products. After collecting, please store the product according to the requirements described in the datasheet. Most Capsid Bio products are stable under the recommended conditions.

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

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