

## trans-2-Pentenoic acid

## Chemical Properties

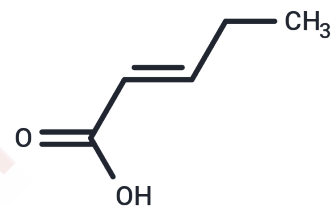
CAS No. : 13991-37-2

Formula: C<sub>5</sub>H<sub>8</sub>O<sub>2</sub>

Molecular Weight: 100.1158

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 | (2E)-Pent-2-enoic acid is an unsaturated carboxylic acid, also known as 2-pentenoic acid or crotonic acid. The designation "2E" indicates that the molecule has a trans configuration of the double bond, with the two carbon atoms on opposite sides. This compound has an irritant odor and is miscible with water and most organic solvents. It is commonly used in organic synthesis as a starting material for various chemical reactions, including esterification, oxidation, and reduction. Additionally, its potential application as a flavoring agent in the food industry has been explored. |
|-------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 9.988 mL  | 49.9401 mL | 99.8801 mL |
| 5 mM  | 1.9976 mL | 9.988 mL   | 19.976 mL  |
| 10 mM | 0.9988 mL | 4.994 mL   | 9.988 mL   |
| 50 mM | 0.1998 mL | 0.9988 mL  | 1.9976 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

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