

trans-2-Pentenoic acid

Chemical Properties

CAS No. :	13991-37-2
Formula:	C ₅ H ₈ O ₂
Molecular Weight:	100.116
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.
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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.

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