

## Nonanoic acid

## Chemical Properties

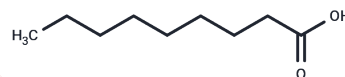
CAS No. : 112-05-0

Formula: C<sub>9</sub>H<sub>18</sub>O<sub>2</sub>

Molecular Weight: 158.24

Appearance: no data available

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



## Biological Description

Description	Nonanoic acid (Nonoic acid) is a fatty acid which occurs naturally as esters are the oil of pelargonium. Synthetic esters, such as methyl nonanoate, are used as flavorings. Pelargonic acid is an organic compound composed of a nine-carbon chain terminating in a carboxylic acid. It is an oily liquid with an unpleasant, rancid odor. It is nearly insoluble in water, but well soluble in chloroform and ether.
Targets(IC50)	Antibacterial

## Solubility Information

Solubility	DMSO: 45 mg/mL (284.38 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.3195 mL	31.5976 mL	63.1951 mL
5 mM	1.2639 mL	6.3195 mL	12.639 mL
10 mM	0.632 mL	3.1598 mL	6.3195 mL
50 mM	0.1264 mL	0.632 mL	1.2639 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

Kuzmina N, et al. Assessment of irritant skin reactions using electrical impedance--a comparison between 2 laboratories. Contact Dermatitis. 2003 Jul;49(1):26-31.

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