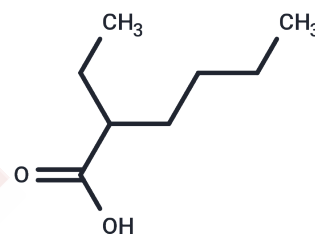


## 2-Ethylhexanoic acid

## Chemical Properties

CAS No. :	149-57-5
Formula:	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>
Molecular Weight:	144.21
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	2-Ethylhexanoic acid is a carboxylic acid exhibiting inhibitory effects on carbonic anhydrase 1 and 2, suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.9343 mL	34.6717 mL	69.3433 mL
5 mM	1.3869 mL	6.9343 mL	13.8687 mL
10 mM	0.6934 mL	3.4672 mL	6.9343 mL
50 mM	0.1387 mL	0.6934 mL	1.3869 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

- Gu Y, et al. Esterification of aliphatic acids with olefin promoted by Bronsted acidic ionic liquids. *J. Mol. Catal. A: Chem.*, 2004, 212(1-2): 71-75.
- Hekmatshoar, et al. Novel and Efficient Organocatalytic Biginelli Reaction Using 2-Ethylhexanoic Acid. *gazi university journal of science* 25 (2012): 617-621.
- Jafarpour F, et al. Direct C-3 alkylation of coumarins via decarboxylative coupling with carboxylic acids. *New. J. Chem.*, 2019, 43(24): 9328-9332.

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