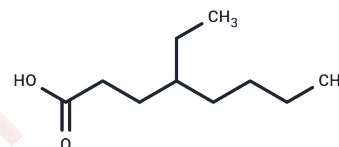


4-Ethyl octanoic acid

Chemical Properties

CAS No. :	16493-80-4
Formula:	C ₁₀ H ₂₀ O ₂
Molecular Weight:	172.26
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	4-Ethyl octanoic acid, a natural product isolated from Saussurea lappa Clarke, is used as a food additive and industrial perfume, among other applications.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 25 mg/mL (145.13 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	5.8052 mL	29.0259 mL	58.0518 mL
5 mM	1.161 mL	5.8052 mL	11.6104 mL
10 mM	0.5805 mL	2.9026 mL	5.8052 mL
50 mM	0.1161 mL	0.5805 mL	1.161 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

- Yuping L , Haitao C , Decai Y , et al. Synthesis and Odor Evaluation of Five New Sulfur-Containing Ester Flavor Compounds from 4-Ethyl octanoic Acid[J]. Molecules, 2010, 15(8):5104-5111.
- Liu Y P , Yin D C , Chen H T , et al. Rapid Synthesis of Flavor Compound 4-Ethyl octanoic Acid under Microwave Irradiation[J]. International Journal of Molecular Sciences, 2010, 11(10):4165-4174.

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