Data Sheet (Cat.No.T29343)

TargetMol

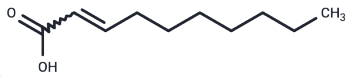
2-Decenoic acid

Chemical Properties

CAS No. : 3913-85-7

Formula: C10H18O2

Molecular Weight: 170.25



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-Decenoic acid is an unsaturated fatty acid and an intermediate metabolite in fatty acid synthesis, widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8737 mL	29.3686 mL	58.7372 mL
5 mM	1.1747 mL	5.8737 mL	11.7474 mL
10 mM	0.5874 mL	2.9369 mL	5.8737 mL
50 mM	0.1175 mL	0.5874 mL	1.1747 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

Šedivá M,et al. 10-HDA, A Major Fatty Acid of Royal Jelly, Exhibits pH Dependent Growth-Inhibitory Activity Against Different Strains of Paenibacillus larvae. Molecules. 2018 Dec 7;23(12). pii: E3236.
Miyata Y, et al. Anti-Cancer and Protective Effects of Royal Jelly for Therapy-Induced Toxicities in Malignancies. Int J Mol Sci. 2018 Oct 21;19(10). pii: E3270.
Kamiya T, et al. Induction of Human-Lung-Cancer-A549-Cell Apoptosis by 4-Hydroperoxy-2-decenoic Acid Ethyl Ester through Intracellular ROS Accumulation and the Induction of Proapoptotic CHOP Expression. J Agric Food Chem. 2018 Oct 17;66(41):10741-10747.
Pattamayutanon P, et al. Effects of Pollen Feeding on Quality of Royal Jelly. J Econ Entomol. 2018 Dec 14;111(6): 2974-2978.

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