

Ethyl 5-hydroxydecanoate

Chemical Properties

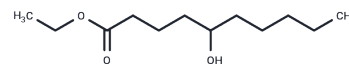
CAS No. : 75587-06-3

Formula: C₁₂H₂₄O₃

Molecular Weight: 216.32

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	Ethyl 5-hydroxydecanoate is flavor and Fragrance Chemical Compounds.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6228 mL	23.1139 mL	46.2278 mL
5 mM	0.9246 mL	4.6228 mL	9.2456 mL
10 mM	0.4623 mL	2.3114 mL	4.6228 mL
50 mM	0.0925 mL	0.4623 mL	0.9246 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

- Selvarajan R, Sibanda T, Tekere M, Nyoni H, Meddows-Taylor S. Diversity Analysis and Bioresource Characterization of Halophilic Bacteria Isolated from a South African Saltpan. *Molecules*. 2017 Apr 20;22(4). pii: E657. doi: 10.3390/molecules22040657. PubMed PMID: 28425950; PubMed Central PMCID: PMC6154464.
- Liang W, Chen M, Zheng D, Li J, Song M, Zhang W, Feng J, Lan J. The Opening of ATP-Sensitive K⁺ Channels Protects H9c2 Cardiac Cells Against the High Glucose-Induced Injury and Inflammation by Inhibiting the ROS-TLR4-Necroptosis Pathway. *Cell Physiol Biochem*. 2017;41(3):1020-1034. doi: 10.1159/000461391. Epub 2017 Feb 22. PubMed PMID: 28291959.
- Jin C, Wu J, Watanabe M, Okada T, Iesaki T. Mitochondrial K⁺ channels are involved in ischemic postconditioning in rat hearts. *J Physiol Sci*. 2012 Jul;62(4):325-32. doi: 10.1007/s12576-012-0206-y. Epub 2012 Apr 19. PubMed PMID: 22528048.
- Gross GJ, Hsu A, Gross ER, Falck JR, Nithipatikom K. Factors mediating remote preconditioning of trauma in the rat heart: central role of the cytochrome p450 epoxygenase pathway in mediating infarct size reduction. *J Cardiovasc Pharmacol Ther*. 2013 Jan;18(1):38-45. doi: 10.1177/1074248412437586. Epub 2012 Mar 9. PubMed PMID: 22407888; PubMed Central PMCID: PMC3449041.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481