

Ethyl (E)-dec-4-enoate

Chemical Properties

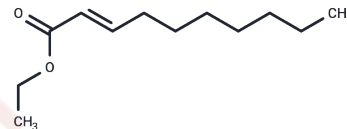
CAS No. : 76649-16-6

Formula: C₁₂H₂₂O₂

Molecular Weight: 198.3

Storage: Store at 4°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ethyl (E)-dec-4-enoate (Ethyl (E)-4-decenoate) is a volatile substance isolated from hot sauce and is a RIFM flavor.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 100 mg/mL (504.29 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	5.0429 mL	25.2143 mL	50.4286 mL
5 mM	1.0086 mL	5.0429 mL	10.0857 mL
10 mM	0.5043 mL	2.5214 mL	5.0429 mL
50 mM	0.1009 mL	0.5043 mL	1.0086 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

Chen X,et al. The hops (*Humulus lupulus*) genome contains a mid-sized terpene synthase family that shows wide functional and allelic diversity. *BMC Plant Biol.* 2023 May 26;23(1):280.

Luo, W., Tappi, S., Wang, C. et al. Effect of High Hydrostatic Pressure (HHP) on the Antioxidant and Volatile Properties of Candied Wumei Fruit (*Prunus mume*) During Osmotic Dehydration. *Food Bioprocess Technol* 12, 98-109 (2019).

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