

(-)-Fenchone

Chemical Properties

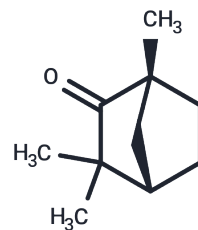
CAS No. : 7787-20-4

Formula: C₁₀H₁₆O

Molecular Weight: 152.23

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	(-)-Fenchone is a bicyclic monoterpene widely distributed in plants and can be extracted from <i>Foeniculum vulgare</i> and <i>Peumus boldus</i> . (-)-Fenchone has a wide range of biological activities including antioxidant, wound healing, antidiarrheal, antifungal, anti-injury sensory and bronchodilator activities. (-)-Fenchone is a potential anti-tumor compound.
Targets(IC50)	Antioxidant, Antifungal

Solubility Information

Solubility	DMSO: 90 mg/mL (591.21 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	6.569 mL	32.845 mL	65.6901 mL
5 mM	1.3138 mL	6.569 mL	13.138 mL
10 mM	0.6569 mL	3.2845 mL	6.569 mL
50 mM	0.1314 mL	0.6569 mL	1.3138 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

Miyazawa M, et al. Metabolism of (-)-fenchone by CYP2A6 and CYP2B6 in human liver microsomes. Xenobiotica. 2007;37(2):194-204.

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