

Fenchone

Chemical Properties

CAS No. : 1195-79-5

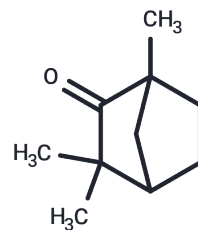
Formula: C₁₀H₁₆O

Molecular Weight: 152.23

Store at low temperature, Keep away from direct sunlight

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 (A13-00736) is a plant-derived monoterpene with anti-inflammatory, antioxidant, wound healing, antidiarrheal, antifungal, anti-injurious, and bronchodilator activities and is used in the study of Irritable Bowel Syndrome (IBS-C).
Targets(IC50)	Antioxidant

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 Feb;37(2):194-204.

Pavela R. Essential oils from *Foeniculum vulgare* Miller as a safe environmental insecticide against the aphid *Myzus persicae* Sulzer. *Environ Sci Pollut Res Int*. 2018 Apr;25(11):10904-10910.

Pistelli L, et al. Chemical composition of essential oil from plants of abandoned mining site of Elba island. *Nat Prod Res*. 2019 Jan;33(1):143-147.

El-Nabarawi MA, et al. Dapsone-Loaded Invasomes as a Potential Treatment of Acne: Preparation, Characterization, and In Vivo Skin Deposition Assay. *AAPS PharmSciTech*. 2018 Jul;19(5):2174-2184.

Müller AD, et al. Photoelectron circular dichroism in the multiphoton ionization by short laser pulses. II. Three- and four-photon ionization of fenchone and camphor. *J Chem Phys*. 2018 Jun 7;148(21):214307.

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