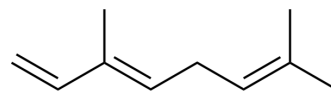


β-Ocimene

Cat. No.:	HY-117215
CAS No.:	13877-91-3
Molecular Formula:	C ₁₀ H ₁₆
Molecular Weight:	136.23
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (734.05 mM; Need ultrasonic)				
	Preparing Stock Solutions	Mass	1 mg	5 mg	10 mg
		Solvent			
		Concentration			
		1 mM	7.3405 mL	36.7026 mL	73.4053 mL
In Vivo		5 mM	1.4681 mL	7.3405 mL	14.6811 mL
		10 mM	0.7341 mL	3.6703 mL	7.3405 mL
	Please refer to the solubility information to select the appropriate solvent.				
	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (18.35 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (18.35 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (18.35 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Beta-Ocimene is a naturally occurring organic compound that belongs to the terpene family. It exists as a mixture of three isomers: cis β-Ocimene, trans β-Ocimene and myrcene-like β-Ocimene. It has a pleasant, sweet herbaceous scent and is found in many plants, including mint, basil, parsley, and kumquat. β-Ocimene is widely used in the flavor and fragrance industry due to its characteristic aroma and taste. It also has potential applications in agriculture as natural insect repellants and pheromones that attract beneficial insects. β-Ocimene has potential anti-inflammatory and anticancer activities.
In Vitro	Ocimene(mixture of isomers) is a biochemical reagent that can be used as a biological material or organic compound for life science related research. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Caution: Product has not been fully validated for medical applications. For research use only.

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