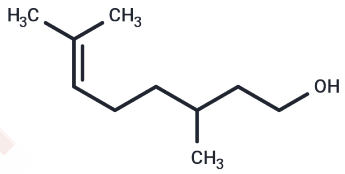
Data Sheet (Cat.No.T3240)

TargetMol

Citronellol

Chemical Properties



CAS No. : 106-22-9

Formula: C10H20O

Molecular Weight: 156.27

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	Citronellol ((±)-β-Citronellol) is used in insect repellents and perfumes and as a mite attractant.
Targets(IC50)	Reactive Oxygen Species

Solubility Information

Solubility	DMSO: 50 mg/mL (319.96 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (12.8 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.3992 mL	31.9959 mL	63.9918 mL
5 mM	1.2798 mL	6.3992 mL	12.7984 mL
10 mM	0.6399 mL	3.1996 mL	6.3992 mL
50 mM	0.128 mL	0.6399 mL	1.2798 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

Taylor WG, Schreck CE. (1985). J Pharm Sci. 74 (5): 534-539.
Wang F, Sun H, Chen M, et al.The thalamic reticular nucleus orchestrates social memory.Neuron.2024

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