

Geranylacetone(Z/E)

Chemical Properties

CAS No. : 689-67-8

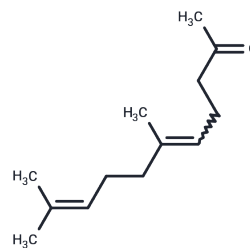
Formula: C₁₃H₂₂O

Molecular Weight: 194.31

Store under nitrogen

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	Geranylacetone(Z/E) (Dihydropseudoionone) is a naturally occurring compound found in the essential oils of many plants, including rosemary, lavender and jasmine. It has antioxidant, anti-inflammatory and anti-microbial properties.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 250 mg/mL (1286.6 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: 2.5 mg/mL (12.87 mM), Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1464 mL	25.7321 mL	51.4642 mL
5 mM	1.0293 mL	5.1464 mL	10.2928 mL
10 mM	0.5146 mL	2.5732 mL	5.1464 mL
50 mM	0.1029 mL	0.5146 mL	1.0293 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

Extensive metabolic cross-talk in melon fruit revealed by spatial and developmental combinatorial metabolomics [J]. *New Phytologist*, 2011, 190(3):683-696.

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