

Damascenone

Chemical Properties

CAS No. : 23696-85-7

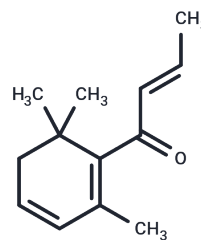
Formula: C₁₃H₁₈O

Molecular Weight: 190.28

Keep away from moisture, 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	Damascenone is a mixture of E- and Z-isomer damascenones, characteristic compounds with anti-inflammatory properties derived from <i>Epipremnum pinnatum</i> .
Targets(IC50)	NF-κB, Endogenous Metabolite

Solubility Information

Solubility	DMSO: 250 mg/mL (1313.85 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 (10.51 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	5.2554 mL	26.2771 mL	52.5541 mL
5 mM	1.0511 mL	5.2554 mL	10.5108 mL
10 mM	0.5255 mL	2.6277 mL	5.2554 mL
50 mM	0.1051 mL	0.5255 mL	1.0511 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

Lapczynski, A., Lalko, J., McGinty, D., Bhatia, S., Letizia, C., & Api, A. (2007). Fragrance material review on damascenone. *Food And Chemical Toxicology*, 45(1), S172-S178. doi: 10.1016/j.fct.2007.09.056

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