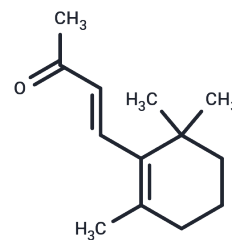


(E)- β -Ionone

Chemical Properties

CAS No. :	79-77-6
Formula:	C ₁₃ H ₂₀ O
Molecular Weight:	192.3
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	(E)- β -Ionone (β -Ionone) is a natural volatile compound with antiproliferative, antimetastatic, and apoptosis-inducing properties, inducing autophagy and reducing catecholamine neurotransmitter levels significantly.
Targets(IC50)	Apoptosis

Solubility Information

Solubility	DMSO: 125 mg/mL (650.03 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: 3.3 mg/mL (17.16 mM),Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (52 mM),Suspension. <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	5.2002 mL	26.001 mL	52.0021 mL
5 mM	1.040 mL	5.2002 mL	10.4004 mL
10 mM	0.520 mL	2.6001 mL	5.2002 mL
50 mM	0.104 mL	0.520 mL	1.040 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

Ansari M, et al. β -Ionone and its analogs as promising anticancer agents. Eur J Med Chem. 2016 Nov 10;123:141-154.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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