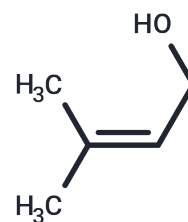


3-Methyl-2-buten-1-ol

Chemical Properties

CAS No. :	556-82-1
Formula:	C ₅ H ₁₀ O
Molecular Weight:	86.13
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	3-Methyl-2-buten-1-ol (gamma-dimethylallyl alcohol) is found in blackcurrant, ylang-ylang, hop oils, orange peel oil, and various fruits such as orange, lemon, lime, grape, pineapple, purple passion fruit, and loganberry. Prenol is a flavoring ingredient.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 55 mg/mL (638.57 mM), Sonication is recommended. H ₂ O: 170 mg/mL (1973.76 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 (23.22 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	11.6104 mL	58.0518 mL	116.1036 mL
5 mM	2.3221 mL	11.6104 mL	23.2207 mL
10 mM	1.161 mL	5.8052 mL	11.6104 mL
50 mM	0.2322 mL	1.161 mL	2.3221 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

Yannai S . Dictionary of Food Compounds Additives, Flavors, and Ingredients[J]. 2004.

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