

Octyl acetate

Chemical Properties

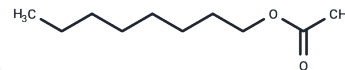
CAS No. : 112-14-1

Formula: C₁₀H₂₀O₂

Molecular Weight: 172.26

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Octyl acetate (Acetic acid octyl ester) is the acetate ester of octan-1-ol. It has a role as a plant metabolite. Acetic acid octyl ester is present in citrus peel oils.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 22.5 mg/mL (130.62 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 (11.61 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	5.8052 mL	29.0259 mL	58.0518 mL
5 mM	1.161 mL	5.8052 mL	11.6104 mL
10 mM	0.5805 mL	2.9026 mL	5.8052 mL
50 mM	0.1161 mL	0.5805 mL	1.161 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

Al-Yasiry A R M , Bożena Kiczorowska. Frankincense - therapeutic properties[J]. Postępy Higieny i Medycyny Doświadczalnej (Advances in Hygiene and Experimental Medicine), 2016, 70:380-391.

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