

## Hexahydrofarnesyl acetone

## Chemical Properties

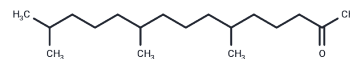
CAS No. : 502-69-2

Formula: C<sub>18</sub>H<sub>36</sub>O

Molecular Weight: 268.48

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	Hexahydrofarnesyl acetone (Phytone) enhanced both the sticky materials production and cell growth, plays some role in the increase of sticky materials and cell growth.
Targets(IC50)	Antibacterial,Antibiotic

## Solubility Information

Solubility	DMSO: 22.5 mg/mL (83.81 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 (7.45 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	3.7247 mL	18.6234 mL	37.2467 mL
5 mM	0.7449 mL	3.7247 mL	7.4493 mL
10 mM	0.3725 mL	1.8623 mL	3.7247 mL
50 mM	0.0745 mL	0.3725 mL	0.7449 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

Olabiyi A , Rabin G , Sulaiman A , et al. Use of Phytone Peptone to Optimize Growth and Cell Density of Lactobacillus reuteri[J]. Foods, 2015, 4(4):318-327.

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