

## 1-Pentadecanol

## Chemical Properties

CAS No. : 629-76-5

Formula: C<sub>15</sub>H<sub>32</sub>O

Molecular Weight: 228.41

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	1-Pentadecanol is a natural product with anti-acne activity.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 30 mg/mL (131.34 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 (8.76 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	4.3781 mL	21.8905 mL	43.7809 mL
5 mM	0.8756 mL	4.3781 mL	8.7562 mL
10 mM	0.4378 mL	2.189 mL	4.3781 mL
50 mM	0.0876 mL	0.4378 mL	0.8756 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

I Kubo, et al. Naturally occurring antiacne agents. J Nat Prod. 1994 Jan;57(1):9-17.

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