

## Aleuritic Acid

## Chemical Properties

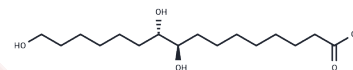
CAS No. : 533-87-9

Formula: C<sub>16</sub>H<sub>32</sub>O<sub>5</sub>

Molecular Weight: 304.42

Appearance: no data available

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



## Biological Description

Description	Aleuritic Acid (9,10,16-trihydroxy-palmitic acid), or α-aleuritic acid, is a major ingredient in shellac, constituting about 35% of it. It is used as a starting material in the perfume industry for the preparation of musk aroma.
Targets(IC50)	Others
In vivo	Oral cellobiose administration improved both clinical and pathological signs of colitis with a decrease in mucosal proinflammatory cytokines mRNA expression[1]. Dietary cellobiose was extensively digested in the small intestine by beta-galactosidase in rats [2].

## Solubility Information

Solubility	DMSO: 22.5 mg/mL (73.91 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2849 mL	16.4247 mL	32.8494 mL
5 mM	0.657 mL	3.2849 mL	6.5699 mL
10 mM	0.3285 mL	1.6425 mL	3.2849 mL
50 mM	0.0657 mL	0.3285 mL	0.657 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.

## Reference

Nyasse B, et al. Nat Prod Res. 2006 Apr;20(4):391-7.

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Tel:781-999-4286    E\_mail:info@targetmol.com    Address:36 Washington Street,Wellesley Hills,MA 02481