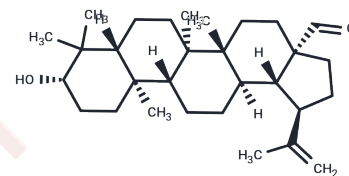


## Betulinaldehyde

### Chemical Properties

CAS No. :	13159-28-9
Formula:	C <sub>30</sub> H <sub>48</sub> O <sub>2</sub>
Molecular Weight:	440.7
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



### Biological Description

Description	Betulinaldehyde (Betunal) has the inhibition of Saccharomyces sp and alpha-glucosidase. Betulinaldehyde induces apoptosis in mouse B16 2F2 cells. Betulinaldehyde has anti-proliferative activity against mouse +SA mammary epithelial cells.
Targets(IC50)	Apoptosis,Antibacterial

### Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone: Soluble, DMSO: 1 mg/mL (2.27 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	2.2691 mL	11.3456 mL	22.6912 mL
5 mM	0.4538 mL	2.2691 mL	4.5382 mL
10 mM	0.2269 mL	1.1346 mL	2.2691 mL
50 mM	0.0454 mL	0.2269 mL	0.4538 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

- Chung PY, Chung LY, Navaratnam P. Identification, by gene expression profiling analysis, of novel gene targets in Staphylococcus aureus treated with betulinaldehyde. Res Microbiol. 2013 May;164(4):319-26.
- Chung PY, Chung LY, Navaratnam P. Transcriptional profiles of the response of methicillin-resistant Staphylococcus aureus to pentacyclic triterpenoids. PLoS One. 2013;8(2):e56687.

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