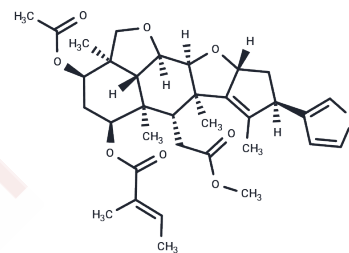


## Salannin

## Chemical Properties

CAS No. :	992-20-1
Formula:	C <sub>34</sub> H <sub>44</sub> O <sub>9</sub>
Molecular Weight:	596.717
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	Salannin is a limonoid from <i>Azadirachta indica</i> A. Juss.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6758 mL	8.3791 mL	16.7583 mL
5 mM	0.3352 mL	1.6758 mL	3.3517 mL
10 mM	0.1676 mL	0.8379 mL	1.6758 mL
50 mM	0.0335 mL	0.1676 mL	0.3352 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

- Koul O, Singh G, Singh R, Daniewski WM, Berlozecki S. Bioefficacy and mode-of-action of some limonoids of salannin group from *Azadirachta indica* A. Juss and their role in a multicomponent system against lepidopteran larvae. *J Biosci.* 2004 Dec;29(4):409-16. PubMed PMID: 15625397.
- Ramesh A, Balasubramanian M. Rapid preconcentration method for the determination of azadirachtin-A and -B, nimbin and salannin in neem oil samples by using graphitised carbon solid phase extraction. *Analyst.* 1999 Jan; 124(1):19-21. PubMed PMID: 10563041.
- Govindachari TR, Narasimhan NS, Suresh G, Partho PD, Gopalakrishnan G. Insect antifeedant and growth-regulating activities of Salannin and other c-seco limonoids from neem oil in relation to Azadirachtin. *J Chem Ecol.* 1996 Aug;22(8):1453-61. doi: 10.1007/BF02027724. PubMed PMID: 24226248.
- Mitchell MJ, Smith SL, Johnson S, Morgan ED. Effects of the neem tree compounds azadirachtin, salannin, nimbin, and 6-desacetylnimbin on ecdysone 20-monooxygenase activity. *Arch Insect Biochem Physiol.* 1997;35(1-2):199-209. PubMed PMID: 9131784.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481