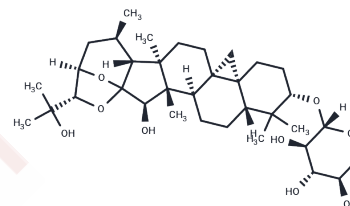


## Cimigenoside

## Chemical Properties

CAS No. :	27994-11-2
Formula:	C <sub>35</sub> H <sub>56</sub> O <sub>9</sub>
Molecular Weight:	620.81
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	Cimigenoside, a constituent of Asclepias, is a $\gamma$ -secretase inhibitor that inhibits the proliferation or metastasis of human breast cancer cells via the $\gamma$ -secretase/Notch axis.
Targets(IC50)	Gamma-secretase

## Solubility Information

Solubility	DMSO: 16.11 mg/mL (25.95 mM), Sonication is recommended. Ethanol: Soluble, Pyridine, Methanol, etc.: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 1.61 mg/mL (2.59 mM), Solution. <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	1.6108 mL	8.054 mL	16.108 mL
5 mM	0.3222 mL	1.6108 mL	3.2216 mL
10 mM	0.1611 mL	0.8054 mL	1.6108 mL
50 mM	0.0322 mL	0.1611 mL	0.3222 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

Guo Y, et al. Traditional uses, phytochemistry, pharmacology and toxicology of the genus Cimicifuga: A review. J Ethnopharmacol. 2017 Sep 14;209:264-282.

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