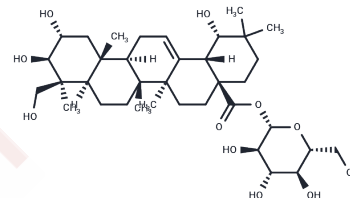


## Sericoside

## Chemical Properties

CAS No. :	55306-04-2
Formula:	C <sub>36</sub> H <sub>58</sub> O <sub>11</sub>
Molecular Weight:	666.84
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	Sericoside, a triterpenoid compound, is obtained from Terminalia and exhibits potent anti-inflammatory properties. Additionally, sericoside displays robust lipolytic activity, thereby aiding in the reduction of skin wrinkles and improvement of skin texture.
Targets(IC50)	Immunology/Inflammation related
In vitro	Sericoside induces the release of glycerol into the cytosol from stored triglycerides in a dose- and time-dependent manner within fully differentiated 3T3-L1 cells[2].

## Solubility Information

Solubility	DMSO: 45 mg/mL (67.48 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 (3 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.4996 mL	7.4981 mL	14.9961 mL
5 mM	0.2999 mL	1.4996 mL	2.9992 mL
10 mM	0.150 mL	0.7498 mL	1.4996 mL
50 mM	0.030 mL	0.150 mL	0.2999 mL

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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

Rode T, et al. Complex formation of sericoside with hydrophilic cyclodextrins: improvement of solubility and skin penetration in topical emulsion based formulations. *Eur J Pharm Biopharm.* 2003 Mar;55(2):191-8.

Mochizuki M, Hasegawa N. Acceleration of lipid degradation by sericoside of Terminalia sericea roots in Fully differentiated 3T3-L1 cells. *Phytother Res.* 2006 Nov;20(11):1020-1.

Ivan PAGIN, et al. Anti-aging effects of a novel sericoside 0.5% cream in reducing skin wrinkles and ameliorating skin texture. *Esperienze Dermatologiche.* 2016 September-December;18(3-4):183-6.

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