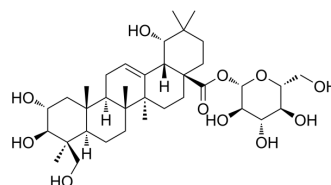


## Sericoside

Cat. No.:	HY-N10496
CAS No.:	55306-04-2
Molecular Formula:	C <sub>36</sub> H <sub>58</sub> O <sub>11</sub>
Molecular Weight:	666.84
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (149.96 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.4996 mL	7.4981 mL	14.9961 mL
				5 mM	0.2999 mL	1.4996 mL	2.9992 mL
				10 mM	0.1500 mL	0.7498 mL	1.4996 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.75 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.75 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.75 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Sericoside is a triterpenoid with anti-inflammatory activity, can be isolated from Terminalia. Sericoside has a strong lipolytic activity. Sericoside can also reduce skin wrinkles and ameliorating skin texture <sup>[1][2][3]</sup> .
In Vitro	Sericoside stimulates glycerol release into the cytosol from deposited triglyceride with a dose- and time-dependent manner in fully differentiated 3T3-L1 cells <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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- [1]. 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.
- [2]. 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.
- [3]. 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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**Caution: Product has not been fully validated for medical applications. For research use only.**

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