

## Ziyuglycoside I

## Chemical Properties

CAS No. : 35286-58-9

Formula: C<sub>41</sub>H<sub>66</sub>O<sub>13</sub>

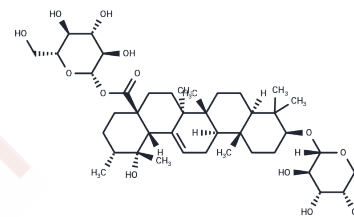
Molecular Weight: 766.95

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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	Ziyuglycoside I (Gouguside 7) has anti-inflammatory activity, could be used as an active ingredient for cosmetics.
Targets(IC50)	Apoptosis,MDM-2/p53
In vivo	The pharmacokinetic behavior of Hederacoside D is successfully applied in rats after oral and intravenous administration[1].

## Solubility Information

Solubility	DMSO: 125 mg/mL (162.98 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: 10 mg/mL (13.04 mM),Solution. 10% DMSO+90% Saline: < 10 mg/mL (13.04 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <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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	1mg	5mg	10mg
1 mM	1.3039 mL	6.5193 mL	13.0387 mL
5 mM	0.2608 mL	1.3039 mL	2.6077 mL
10 mM	0.1304 mL	0.6519 mL	1.3039 mL
50 mM	0.0261 mL	0.1304 mL	0.2608 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

- Ye W, et al. Development and validation of a quantification method for ziyuglycoside I and II in rat plasma: Application to their pharmacokinetic studies. *J Sep Sci.* 2015 Jul;38(13):2340-7.
- Kim YH, et al. Anti-wrinkle activity of ziyuglycoside I isolated from a *Sanguisorba officinalis* root extract and its application as a cosmeceutical ingredient. *Biosci Biotechnol Biochem.* 2008 Feb;72(2):303-11.

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