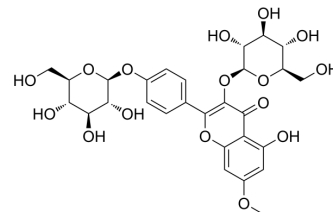


## Complanatuside

Cat. No.:	HY-N1444
CAS No.:	116183-66-5
Molecular Formula:	C <sub>28</sub> H <sub>32</sub> O <sub>16</sub>
Molecular Weight:	624.54
Target:	Others
Pathway:	Others
Storage:	<div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 2 years</div> <div>-20°C 1 year</div>



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (160.12 mM)  
 \* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.6012 mL	8.0059 mL	16.0118 mL
	5 mM		0.3202 mL	1.6012 mL	3.2024 mL
	10 mM		0.1601 mL	0.8006 mL	1.6012 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.08 mg/mL (3.33 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.08 mg/mL (3.33 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Complanatuside is a flavonoid found in the traditional Chinese medicine Semen Astragali Complanati.

#### In Vitro

Semen Astragali Complanati (SAC), the dried ripe seed of Flatstem Milkvetch (*Astragalus complanatus* Bunge), is commonly used in traditional Chinese medicine for treating muscle, liver, kidney, blood, skin and reproductive system diseases. The major contents of SAC include fatty acids, amino acids, polysaccharides, flavonoids, triterpene glycosides and trace elements. SAC exhibits a number of therapeutic effects on chronic diseases such as cardiovascular diseases, diabetes mellitus and cancers. It has been found that flavonoids are the main bioactive component in SAC<sup>[1][2]</sup>.  
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. Ng YF, et al. Semen Astragali Complanati: an ethnopharmacological, phytochemical and pharmacological review. J Ethnopharmacol. 2014 Aug 8;155(1):39-53.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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