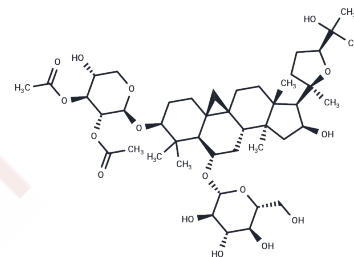


Astragaloside I

Chemical Properties

CAS No. :	84680-75-1
Formula:	C ₄₅ H ₇₂ O ₁₆
Molecular Weight:	869.04
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	Astragaloside I (Cyclosiiversioside B) is a natural product isolated from Astragalus membranaceus. It can stimulate osteoblast differentiation through the Wnt/ β -catenin signaling pathway and can be used to study osteogenic activity.
Targets(IC50)	Wnt/beta-catenin

Solubility Information

Solubility	DMSO: 245 mg/mL (281.92 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: 2.5 mg/mL (2.88 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

	1mg	5mg	10mg
1 mM	1.1507 mL	5.7535 mL	11.507 mL
5 mM	0.2301 mL	1.1507 mL	2.3014 mL
10 mM	0.1151 mL	0.5753 mL	1.1507 mL
50 mM	0.023 mL	0.1151 mL	0.2301 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

JIN Yi-qun, et al. Determination of astragaloside-I content in Qidan Jiannao Granules with HPLC-ELSD. Acta Chinese Medicine and Pharmacology, 2006-02

Wang chunhong, et al. Determination the Content of Astragaloside I in Shuxing Oral by Dual Wavelength TLC-Scanning. China Pharmacist, 22005-05

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