

Astragaloside II

Chemical Properties

CAS No. : 84676-89-1

Formula: C₄₃H₇₀O₁₅

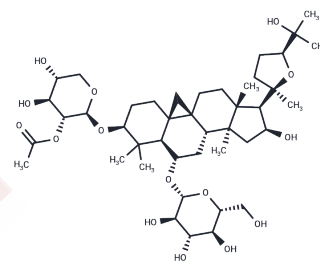
Molecular Weight: 827.01

Storage:

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

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 II (AstrasiEVERSIANIN VIII) is an effective MDR reversal agent and may be a potential adjunctive agent for hepatic cancer chemotherapy. Astragaloside II also induces osteogenic activities, differentiation, proliferation, and mineralization, through the bone morphogenetic protein-2/MAPK and Smad1/5/8 pathways.
Targets(IC50)	NF-κB, HIF/HIF Prolyl-Hydroxylase, Autophagy, Interleukin, TGF-beta/Smad

Solubility Information

Solubility	H ₂ O: < 0.1 mg/mL (insoluble), DMSO: 125 mg/mL (151.15 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: 4 mg/mL (4.84 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	1.2092 mL	6.0459 mL	12.0918 mL
5 mM	0.2418 mL	1.2092 mL	2.4184 mL
10 mM	0.1209 mL	0.6046 mL	1.2092 mL
50 mM	0.0242 mL	0.1209 mL	0.2418 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

Huang C, et al. Reversal of P-glycoprotein-mediated multidrug resistance of human hepatic cancer cells by Astragaloside II. *J Pharm Pharmacol.* 2012 Dec;64(12):1741-50.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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