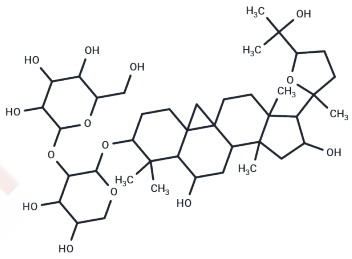
Data Sheet (Cat.No.T5S0833)

TargetMol

Astragaloside III

Chemical Properties



CAS No. : 84687-42-3

Formula: C41H68O14

Molecular Weight: 784.97

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 III has cardioprotective effects as well as causing improvement in cognitive function. It can be used in the prevention of cardio-cerebral vascular diseases. It also is antioxidant.
Targets(IC50)	Apoptosis,Anti-infection,Antioxidant

Solubility Information

Solubility	DMSO: 150 mg/mL (191.09 mM),Sonication is recommended. H2O: Insoluble, Ethanol: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (2.55 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2739 mL	6.3697 mL	12.7393 mL
5 mM	0.2548 mL	1.2739 mL	2.5479 mL
10 mM	0.1274 mL	0.637 mL	1.2739 mL
50 mM	0.0255 mL	0.1274 mL	0.2548 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

Ye G, et al. Characterization of anti-Coxsackie virus B3 constituents of Radix Astragali by high-performance liquid chromatography coupled with electrospray ionization tandem mass spectrometry. Biomed Chromatogr. 2010 Nov; 24(11):1147-51.

Kong XH, et al. Astragaloside II induces osteogenic activities of osteoblasts through the bone morphogenetic protein-2/MAPK and Smad1/5/8 pathways. Int J Mol Med. 2012 Jun;29(6):1090-8.

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