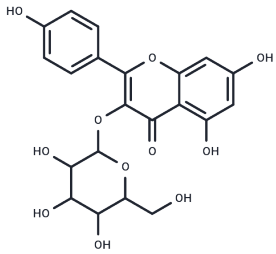
Data Sheet (Cat.No.T6S1101)

TargetMol

Astragalin

Chemical Properties



CAS No. : 480-10-4

Formula: C21H20O11

Molecular Weight: 448.38

Storage: Store at low temperature,Keep away from moisture,
Keep away from direct sunlight
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	Astragalin (Kaempferol 3-O-glucoside) is a biologically active natural flavonoid. It has a variety of pharmacological properties, including antioxidant, anti-inflammatory, anti-cancer, neuroprotective, and cardioprotective properties.
Targets(IC50)	Apoptosis,NF-κB

Solubility Information

Solubility	DMSO: 200 mg/mL (446.05 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 mg/mL (4.46 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	2.2303 mL	11.1513 mL	22.3025 mL
5 mM	0.4461 mL	2.2303 mL	4.4605 mL
10 mM	0.223 mL	1.1151 mL	2.2303 mL
50 mM	0.0446 mL	0.223 mL	0.4461 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

Li F , Wang W , Cao Y , et al. Inhibitory effects of astragalin on lipopolysaccharide-induced inflammatory response in mouse mammary epithelial cells[J]. Journal of Surgical Research, 2014, 192(2):573-581.
Kim K Y, Kang Y M, Lee A, et al.Hydroethanolic Extract of Lepidium apetalum Willdenow Alleviates Dextran Sulfate Sodium-Induced Colitis by Enhancing Intestinal Barrier Integrity and Inhibiting Oxidative Stress and Inflammasome Activation.Antioxidants.2024, 13(7): 795.