

Astragalin

Chemical Properties

CAS No. : 480-10-4

Formula: C₂₁H₂₀O₁₁

Molecular Weight: 448.38

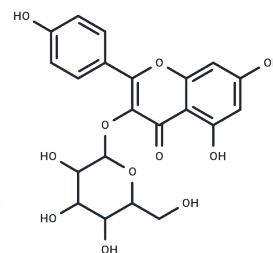
Appearance: no data available

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



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: 50 mg/mL (111.51 mM), Sonication is recommended. (< 1 mg/mL refers to the product slightly soluble or insoluble)
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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.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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