

Astragaloside

Chemical Properties

CAS No.:	17429-69-5
Formula:	C ₂₈ H ₃₂ O ₁₇
Molecular Weight:	640.5
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Astragaloside may protect against brain contusion and neuronal apoptosis after TBI by attenuating microglia activation in male rats. Astragalosides-induced apoptosis in NB4 cells may be associated with down-regulation of the expression of BCL-2 and NF-κB, finally the relative activity of caspase-3 activated. Astragaloside has several pharmacological actions on cardiovascular system, including positive inotropic, anti-arrhythmia and anti-oxidant activities; it also has anti-apoptotic activity, which may contribute to the improvement of clinical outcomes in treating myocarditis with pharmaceuticals of Astragalus membranaceus.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.561 mL	7.806 mL	15.613 mL
5 mM	0.312 mL	1.561 mL	3.123 mL
10 mM	0.156 mL	0.781 mL	1.561 mL
50 mM	0.031 mL	0.156 mL	0.312 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Yin Y Y , Li W P , Gong H L , et al. Protective Effect of Astragaloside on Focal Cerebral Ischemia/Reperfusion Injury in Rats[J]. American Journal of Chinese Medicine, 2010, 38(03):517-527.

Inhibitors · Natural Compounds · Compound Libraries

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