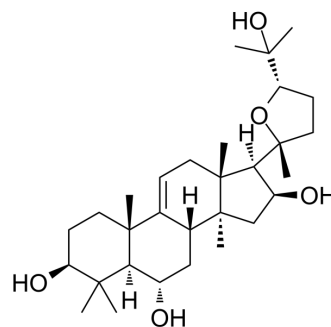


Astragenol

Cat. No.:	HY-N7924
CAS No.:	86541-79-9
Molecular Formula:	C ₃₀ H ₅₀ O ₅
Molecular Weight:	490.72
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	Ethanol : 50 mg/mL (101.89 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.0378 mL	10.1891 mL	20.3782 mL
		5 mM		0.4076 mL	2.0378 mL	4.0756 mL
	10 mM		0.2038 mL	1.0189 mL	2.0378 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2 mg/mL (4.08 mM); Clear solution Add each solvent one by one: 10% EtOH >> 90% (20% SBE-β-CD in saline) Solubility: 2 mg/mL (4.08 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% EtOH >> 90% corn oil Solubility: ≥ 2 mg/mL (4.08 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	Astragenol is an intermediate used for Astragenol derivative synthesis. Astragenol derivatives are promising anti-inflammatory agents for prostate cancer research ^[1] .
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REFERENCES

[1]. Bilge Debeleç-Bütüner, et al. Cycloartane-type sapogenol derivatives inhibit NF-κB activation as chemopreventive strategy for inflammation-induced prostate carcinogenesis. Steroids. 2018 Jul;135:9-20.

Caution: Product has not been fully validated for medical applications. For research use only.

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