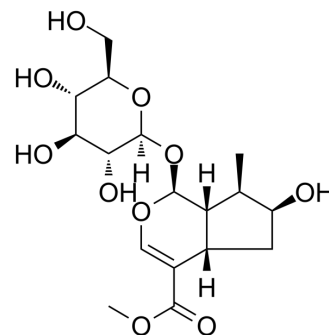


Loganin

Cat. No.:	HY-N0512		
CAS No.:	18524-94-2		
Molecular Formula:	C ₁₇ H ₂₆ O ₁₀		
Molecular Weight:	390.38		
Target:	Apoptosis		
Pathway:	Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (128.08 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5616 mL	12.8080 mL	25.6161 mL
	5 mM	0.5123 mL	2.5616 mL	5.1232 mL
	10 mM	0.2562 mL	1.2808 mL	2.5616 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (6.40 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (6.40 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.40 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Loganin, a major iridoid glycoside obtained from Corni fructus, has been shown to have anti-inflammatory and anti-shock effects. Loganin exhibits an anti-inflammatory effect in cases of AP and its pulmonary complications through inhibition of NF-κB activation.

REFERENCES

[1]. Kim MJ, et al. Loganin protects against pancreatitis by inhibiting NF- κ B activation. Eur J Pharmacol. 2015 Oct 15;765:541-50.

[2]. Tsai WH, et al. Ba-Wei-Di-Huang-Wan through its active ingredient loganin counteracts substance P-enhanced NF- κ B/ICAM-1 signaling in rats with bladder hyperactivity. NeuroUrol Urodyn. 2015 Aug 19.

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

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