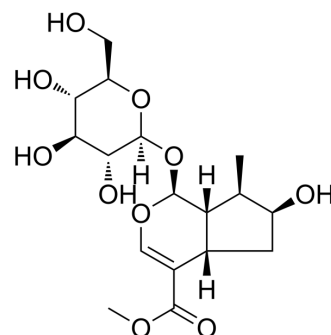


## Loganin

<b>Cat. No.:</b>	HY-N0512		
<b>CAS No.:</b>	18524-94-2		
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>26</sub> O <sub>10</sub>		
<b>Molecular Weight:</b>	390.38		
<b>Target:</b>	Apoptosis		
<b>Pathway:</b>	Apoptosis		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

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

Concentration	Mass		
	1 mg	5 mg	10 mg
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.

### CUSTOMER VALIDATION

- Int J Cardiol. 2023 Oct 9:131426.
- bioRxiv. 2023 Jun 3.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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- [1]. Kim MJ, et al. Loganin protects against pancreatitis by inhibiting NF- $\kappa$ 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- $\kappa$ B/ICAM-1 signaling in rats with bladder hyperactivity. NeuroUrol Urodyn. 2015 Aug 19.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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