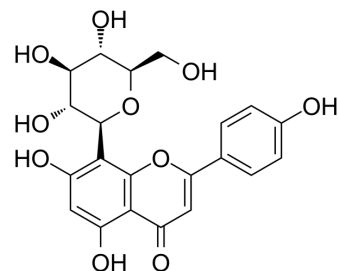


Vitexin

Cat. No.:	HY-N0013		
CAS No.:	3681-93-4		
Molecular Formula:	C ₂₁ H ₂₀ O ₁₀		
Molecular Weight:	432.38		
Target:	Others		
Pathway:	Others		
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 : 62.5 mg/mL (144.55 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3128 mL	11.5639 mL	23.1278 mL
		5 mM	0.4626 mL	2.3128 mL	4.6256 mL
10 mM		0.2313 mL	1.1564 mL	2.3128 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% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.81 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.81 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Vitexin is a c-glycosylated flavone, and is found in various medicinal plants species such as Ficus deltooid and Spirodela polyrhiza. Vitexin has a wide range of pharmacological effects, including anti-oxidant, anti-cancer, anti-inflammatory, anti-hyperalgesic, and neuroprotective effects ^{[1][2]} .
In Vivo	Vitexin exerts neuroprotective effect against pentylenetetrazole-induced seizures, scopolamine-induced memory impairment, and glutamate-induced neuronal excitotoxicity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Food Chem. 16 December 2021, 131872.
- Arch Physiol Biochem. 2022 Mar 7;1-10.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. He M, et al. A review on the pharmacological effects of vitexin and isovitexin. *Fitoterapia*. 2016 Dec;115:74-85.
- [2]. Lima LKF, et al. A Brief Review on the Neuroprotective Mechanisms of Vitexin. *Biomed Res Int*. 2018 Dec 5;2018:4785089.
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Caution: Product has not been fully validated for medical applications. For research use only.

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