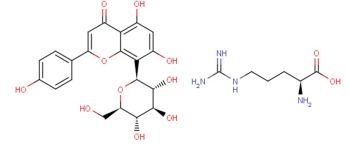


Data Sheet (Cat.No.T13307)

Vitexin arginine

Chemical Properties

CAS No.:	T13307
Formula:	C ₂₇ H ₃₄ N ₄ O ₁₂
Molecular Weight:	606.58
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Vitexin arginine is a natural c-glycosylated flavone isolated from various medicinal plants species, with antioxidant, anti-cancer, anti-inflammatory, anti-hyperalgesic, and neuroprotective effects.
Targets(IC ₅₀)	Others: None
In vivo	Vitexin has neuroprotective effects on seizures caused by pentylenetetrazole, memory disorders caused by pol-base, and neuronal excitatory toxicity caused by glutamic acid [1].

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	1.649 mL	8.243 mL	16.486 mL
5 mM	0.33 mL	1.649 mL	3.297 mL
10 mM	0.165 mL	0.824 mL	1.649 mL
50 mM	0.033 mL	0.165 mL	0.33 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. 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.

Inhibitors · Natural Compounds · Compound Libraries

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