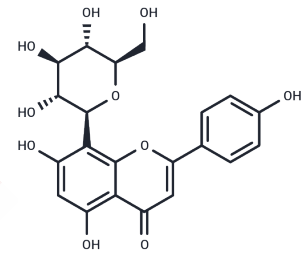


Vitexin

Chemical Properties

CAS No. :	3681-93-4
Formula:	C ₂₁ H ₂₀ O ₁₀
Molecular Weight:	432.38
Storage:	Keep away from direct sunlight, Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	1. Vitexin has antinociceptive and antispasmodic activities. 2. Vitexin exhibits a prominent first-pass effect. 3. Vitexin has antioxidant, antimyeloperoxidase, and α -glucosidase inhibitory activities. 4. Vitexin can either inhibit or induce activities of CYP2C11 and CYP3A1. 5. Vitexin induces the novel p53-dependent metastatic and apoptotic pathway. 6. Vitexin protects brain against cerebral I/R injury, and this effect may be regulated by mitogen-activated protein kinase (MAPK) and apoptosis signaling pathways.
Targets(IC50)	Antioxidant, Autophagy

Solubility Information

Solubility	DMSO: 43 mg/mL (99.45 mM), Sonication is recommended. Ethanol: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.63 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0463 mL	0.2313 mL	0.4626 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Can ÖD1, Demir Özkay Ü, Üçel Uİ.. Anti-depressant-like effect of vitexin in BALB/c mice and evidence for the involvement of monoaminergic mechanisms[J]. *European Journal of Pharmacology*, 2013, 699(1-3):250-257.

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