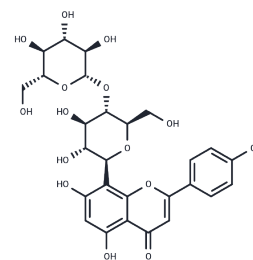


Vitexin-4''-O-glucoside

Chemical Properties

CAS No. :	178468-00-3
Formula:	C ₂₇ H ₃₀ O ₁₅
Molecular Weight:	594.52
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Vitexin-4''-O-glucoside (Vitexin -4''-O-glucoside) could effectively protect ECV-304 cells against cytotoxicity induced by TBHP through resuming mitochondrial function.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 11 mg/mL (18.5 mM),Sonication is recommended. (< 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 (3.36 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	1.682 mL	8.4101 mL	16.8203 mL
5 mM	0.3364 mL	1.682 mL	3.3641 mL
10 mM	0.1682 mL	0.841 mL	1.682 mL
50 mM	0.0336 mL	0.1682 mL	0.3364 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

Li HB, et al. The mechanism of vitexin-4''-O-glucoside protecting ECV-304 cells against tertbutyl hydroperoxide induced injury. Nat Prod Res. 2010 Nov;24(18):1695-703.

Zhang W, et al. Simultaneous determination of vitexin-4''-O-glucoside, vitexin-2''-O-rhamnoside, rutin and vitexin from hawthorn leaves flavonoids in rat plasma by UPLC-ESI-MS/MS. J Chromatogr B Analyt Technol Biomed Life Sci. 2010 Jul 1;878(21):1837-44.

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