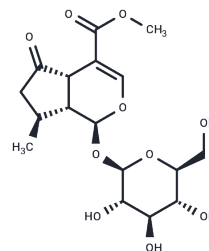


Verbenalin

Chemical Properties

CAS No. :	548-37-8
Formula:	C ₁₇ H ₂₄ O ₁₀
Molecular Weight:	388.37
Storage:	Keep away from direct sunlight, Keep away from moisture 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	Verbenalin (Verbenalloside) induces angiogenesis via a programmed PI3K/Akt/eNOS/VEGF signaling axis.
Targets(IC50)	Beta Amyloid, Bcl-2 Family, Others, Ferroptosis, Caspase, Microtubule Associated, SARS-CoV

Solubility Information

Solubility	DMSO: 250 mg/mL (643.72 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 (5.15 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	2.5749 mL	12.8743 mL	25.7486 mL
5 mM	0.515 mL	2.5749 mL	5.1497 mL
10 mM	0.2575 mL	1.2874 mL	2.5749 mL
50 mM	0.0515 mL	0.2575 mL	0.515 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

Kang Z1,et al. Cornin induces angiogenesis through PI3K-Akt-eNOS-VEGF signaling pathway. Food Chem Toxicol. 2013 Aug;58:340-6.

Jiang WL,et al. Cornin ameliorates cerebral infarction in rats by antioxidant action and stabilization of mitochondrial function. Phytother Res. 2010 Apr;24(4):547-52.

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