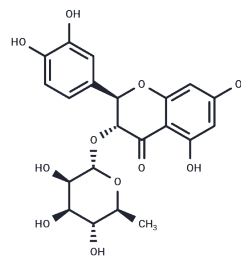


Astilbin

Chemical Properties

CAS No. :	29838-67-3
Formula:	C ₂₁ H ₂₂ O ₁₁
Molecular Weight:	450.39
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	Astilbin (Neoastilbin) is actions Flavonoid phytochemical found in St. John's wort and Traditional Chinese Medicine herbal preparations.
Targets(IC50)	NF-κB,Nrf2,TNF

Solubility Information

Solubility	DMSO: 65 mg/mL (144.32 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 (4.44 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	2.2203 mL	11.1015 mL	22.203 mL
5 mM	0.4441 mL	2.2203 mL	4.4406 mL
10 mM	0.222 mL	1.1101 mL	2.2203 mL
50 mM	0.0444 mL	0.222 mL	0.4441 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

Diao H, Kang Z, Han F, Jiang W. Food Chem Toxicol. 2014 Jan;63:104-10.

Zhan X Z, Wei T H, Yin Y Q, et al. Determination and mechanism of Xiao-Ai Jie-Du decoction against diffuse large B-cell lymphoma: In silico and In vitro studies. Journal of Ethnopharmacology. 2023: 117271.

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