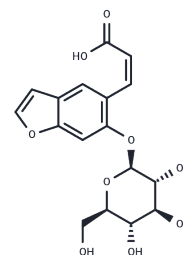


Psoralenoside

Chemical Properties

CAS No. :	905954-17-8
Formula:	C17H18O9
Molecular Weight:	366.32
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	Psoralenoside is a natural product isolated from the fruits of Psoralea corylifolia, shows estrogen-like activity, osteoblastic proliferation accelerating activity, antitumor effects and antibacterial activity.
Targets(IC50)	CaMK, Calcium Channel, Histamine Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (136.49 mM), Sonication is recommended. H2O: 10 mg/mL (27.3 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 (5.46 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	2.7299 mL	13.6493 mL	27.2985 mL
5 mM	0.546 mL	2.7299 mL	5.4597 mL
10 mM	0.273 mL	1.3649 mL	2.7299 mL
50 mM	0.0546 mL	0.273 mL	0.546 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

Yang Y, Hu Y, Yao F, et al. Virtual screening and activity evaluation of human uric acid transporter 1 (hURAT1) inhibitors. *RSC Advances*. 2023, 13(6): 3474-3486.

Chen J, Feng M, Zhang T, et al. Integrative bioinformatics analysis reveals CGAS as a ferroptosis-related signature gene in sepsis and screens the potential natural inhibitors of CGAS. *International Journal of Biological Macromolecules*. 2025: 139778.

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