

Epimedin B

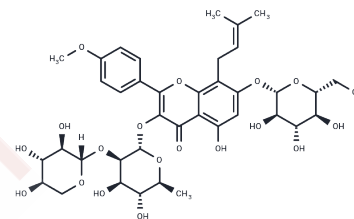
Chemical Properties

CAS No. : 110623-73-9

Formula: C₃₈H₄₈O₁₉

Molecular Weight: 808.78

Storage: Store at low temperature, Keep away from direct sunlight
 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	1. Epimedin B (Epmedin B) has potential activity against osteoporosis by stimulating osteoblasts.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 250 mg/mL (309.11 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: 0.5 mg/mL (0.62 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	1.2364 mL	6.1822 mL	12.3643 mL
5 mM	0.2473 mL	1.2364 mL	2.4729 mL
10 mM	0.1236 mL	0.6182 mL	1.2364 mL
50 mM	0.0247 mL	0.1236 mL	0.2473 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

Zeng S , Liu Y , Wang Y . Light stress suppresses the accumulation of epimedins A, B, C, and icariin in Epimedium, a traditional medicinal plant[J]. Acta Physiologiae Plantarum, 2013, 35(11):3271-3275.

Gao Y, Xu G, Ma L, et al. Icariside I specifically facilitates ATP or nigericin-induced NLRP3 inflammasome activation and causes idiosyncratic hepatotoxicity. Cell Communication and Signaling. 2021 Feb 11;19(1):13. doi: 10.1186/s12964-020-00647-1.

Gao Y, Xu G, Ma L, et al. Icarisid I specifically facilitates ATP or nigericin-induced NLRP3 inflammasome activation and causes idiosyncratic hepatotoxicity. Cell Communication and Signaling. 2020

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Gao Y, Xu G, Ma L, et al. Icariside I specifically facilitates ATP or nigericin-induced NLRP3 inflammasome activation and causes idiosyncratic hepatotoxicity[J]. Cell Communication and Signaling. 2021, 19(1): 1-14.

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