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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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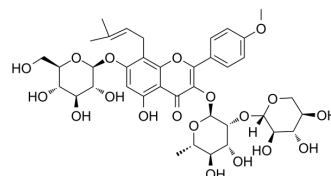
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Epimedin B

Cat. No.:	HY-N0259
CAS No.:	110623-73-9
Molecular Formula:	C ₃₈ H ₄₈ O ₁₉
Molecular Weight:	808.78
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (123.64 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		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
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 0.83 mg/mL (1.03 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 0.83 mg/mL (1.03 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Epimedin B, a component extracted from Epimedii Folium, is reported to have antiosteoporotic activity. IC50 value: Target: In vitro: In vivo: Prednisolone-induced osteoporosis model using zebrafish was used to evaluate the antiosteoporotic activity of micro amount epimedin B. The result showed that 1 μmol·L ⁻¹ epimedin B groups were significantly increased when compared with model group; Epimedin B can prevent zebrafish osteoporosis induced by prednisolone [1].
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CUSTOMER VALIDATION

- Acta Pharm Sin B. 2021 Jan;11(1):143-155.

REFERENCES

- [1]. ZHAN Yang, et al. Evaluation of Antiosteoporotic Activity for Micro Amount Icariin and Epimedin B Based on the Osteoporosis Model Using Zebrafish. Chinese Pharmaceutical Journal, 2014-01
- [2]. Cui L, et al. Metabolite profiles of epimedin B in rats by ultraperformance liquid chromatography/quadrupole-time-of-flight mass spectrometry. J Agric Food Chem. 2013 Apr 17;61(15):3589-99.
- [3]. ZHANG Hua-feng, et al. Effects of microwave radiation on extraction of epimedin B from Epimedium Folium. Chinese Traditional and Herbal Drugs, 2011-09
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Caution: Product has not been fully validated for medical applications. For research use only.

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