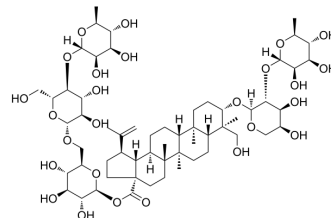


Pulchinoside C

Cat. No.:	HY-N0205
CAS No.:	129741-57-7
Molecular Formula:	C ₅₉ H ₉₆ O ₂₆
Molecular Weight:	1221.38
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 : 125 mg/mL (102.34 mM; Need ultrasonic)
H₂O : 50 mg/mL (40.94 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.8187 mL	4.0937 mL	8.1875 mL
	5 mM	0.1637 mL	0.8187 mL	1.6375 mL
	10 mM	0.0819 mL	0.4094 mL	0.8187 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (1.70 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (1.70 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (1.70 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Pulchinoside C (Anemoside B4) is *Pulsatilla koreana* Nakai that have many numerous biological effects in vitro, including enhancing hypoglycemic, anti-tumor, neuroprotective and anti-angiogenic activity.

In Vitro

Pulchinoside C (Anemoside B4) can inhibit the secretion of IL-10; SSA, SSD and PNS up-regulated IL-2 expression^[1]. Pulchinoside C (Anemoside B4), with IC₅₀ value more than 390 ug/mL. Anemoside B4 inhibits cell proliferation^[2]. Pulchinoside C (Anemoside B4) can significantly suppress the secretion of the inflammatory factor E-selectin by endothelial cells^[3].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Hu Y et al. Role of Chinese herbal medicinal ingredients in secretion of cytokines by PCV2-induced endothelial cells. *J Immunotoxicol.* 2016;13(2):141-7.
- [2]. Liu M et al. Cytotoxicity of the compounds isolated from *Pulsatilla chinensis* saponins and apoptosis induced by 23-hydroxybetulinic acid. *Pharm Biol.* 2015 Jan;53(1):1-9.
- [3]. Hu Y et al. Chinese herbal medicinal ingredients inhibit secretion of IL-6, IL-8, E-selectin and TXB2 in LPS-induced rat intestinal microvascular endothelial cells. *Immunopharmacol Immunotoxicol.* 2009;31(4):550-5.
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Caution: Product has not been fully validated for medical applications. For research use only.

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