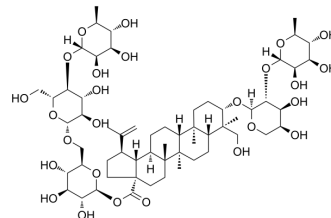


Pulchinenoside C

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) H ₂ O : 50 mg/mL (40.94 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div>Solvent Mass Concentration</div>	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	1. 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				
	2. 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				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (1.70 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Pulchinenoside 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	Pulchinenoside C (Anemoside B4) can inhibit the secretion of IL-10; SSA, SSD and PNS up-regulated IL-2 expression ^[1] . Pulchinenoside C (Anemoside B4), with IC ₅₀ value more than 390 ug/mL. Anemoside B4 inhibits cell proliferation ^[2] . Pulchinenoside 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.
-

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA