Vitexin-2"-O-rhamnoside

Cat. No.:	HY-N0534
CAS No.:	64820-99-1
Molecular Formula:	C ₂₇ H ₃₀ O ₁₄
Molecular Weight:	578.52
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

DMSO : 100 mg/mL (172.85 mM; Need ultrasonic)					
	Solvent Mass Concentration	1 mg	5 mg	10 mg	
Preparing Stock Solutions	1 mM	1.7285 mL	8.6427 mL	17.2855 mL	
	5 mM	0.3457 mL	1.7285 mL	3.4571 mL	
	10 mM	0.1729 mL	0.8643 mL	1.7285 mL	
Please refer to the sol	ubility information to select the ap	opropriate solvent.			
1. Add each solvent o Solubility: ≥ 2.5 mg	ne by one: 10% DMSO >> 40% Pf s/mL (4.32 mM); Clear solution	EG300 >> 5% Tween-80	>> 45% saline		
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.32 mM); Clear solution					
	DMSO : 100 mg/mL (17 Preparing Stock Solutions Please refer to the solutions 1. Add each solvent of Solubility: ≥ 2.5 mg 2. Add each solvent of Solubility: ≥ 2.5 mg	DMSO : 100 mg/mL (172.85 mM; Need ultrasonic) Preparing Stock Solutions 1 mM 10 mM Please refer to the solubility information to select the application 1. Add each solvent one by one: 10% DMSO >> 40% Pl Solubility: ≥ 2.5 mg/mL (4.32 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (2 Solubility: ≥ 2.5 mg/mL (4.32 mM); Clear solution	DMSO : 100 mg/mL (172.85 mM; Need ultrasonic) Preparing Stock Solutions 1 mM 1.7285 mL 1 mM 1.7285 mL 5 mM 0.3457 mL 10 mM 0.1729 mL Please refer to the solubility information to select the appropriate solvent. 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 Solubility: ≥ 2.5 mg/mL (4.32 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.32 mM); Clear solution	DMSO : 100 mg/mL (172.85 mM; Need ultrasonic) Preparing Stock Solutions 1 mM 1.7285 mL 5 mM 0.3457 mL 1.7285 mL 1.7285 mL 1.7285 mL 0.8643 mL Please refer to the solubility information to select the appropriate solvent. Please refer to the solubility information to select the appropriate solvent. 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.32 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.32 mM); Clear solution	

BIOLOGICAL ACTIV	
Description	Vitexin-2"-O-rhamnoside, a main flavonoid glycoside of the leaves of Cratagus pinnatifida Bge, contributes to the protection against H ₂ O ₂ -mediated oxidative stress damage and has potential to treat cardiovascular system diseases ^[1] .

REFERENCES

[1]. Wei W, et al. Effects of vitexin-2"-O-rhamnoside and vitexin-4"-O-glucoside on growth and oxidative stress-induced cell apoptosis of human adipose-derived stem cells. J Pharm Pharmacol. 2014 Jul;66(7):988-97.

Product Data Sheet

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

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