Vitexin-2"-O-rhamnoside

Cat. No.: HY-N0534

CAS No.: 64820-99-1

Molecular Formula: $C_{27}H_{30}O_{14}$

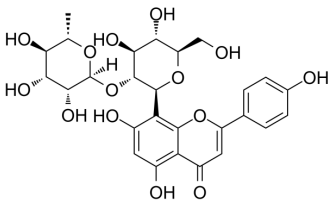
Molecular Weight: 578.52

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

In Vitro

DMSO : 100 mg/mL (172.85 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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 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: ≥ 2.5 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 ACTIVITY

Description

Vitexin-2"-O-rhamnoside, a main flavonoid glycoside of the leaves of Cratagus pinnatifida Bge, contributes to the protection against H_2O_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.

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

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