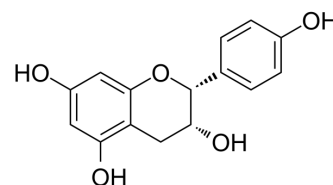


(-)-Epiatzelechin

Cat. No.:	HY-N0943
CAS No.:	24808-04-6
Molecular Formula:	C ₁₅ H ₁₄ O ₅
Molecular Weight:	274.27
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (182.30 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.6460 mL	18.2302 mL	36.4604 mL
5 mM	0.7292 mL	3.6460 mL	7.2921 mL
10 mM	0.3646 mL	1.8230 mL	3.6460 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: ≥ 2.5 mg/mL (9.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (9.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (9.12 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(-)-Epiatzelechin shows potent antioxidant activity with EC₅₀ 20.9 μM (EC₅₀=5.7 μg/mL)^[1].

REFERENCES

[1]. Antioxidant Phenolic Compounds From the Rhizomes of Astilbe Rivularis. Nat Prod Res. 2018 Feb;32(4):453-456.

[2]. Wong KC, Cao S, Dong X, Law MC, Chan TH, Wong MS. (-)-Epiatzelechin Protects against Ovariectomy-induced Bone Loss in Adult Mice and Modulate Osteoblastic and Osteoclastic Functions In Vitro. Nutrients. 2017;9(5):530.

[3]. Min KR, Hwang BY, Lim HS, et al. (-)-Epiatzelechin: cyclooxygenase-1 inhibitor and anti-inflammatory agent from aerial parts of *Celastrus orbiculatus*. *Planta Med.* 1999;65(5):460-462.

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