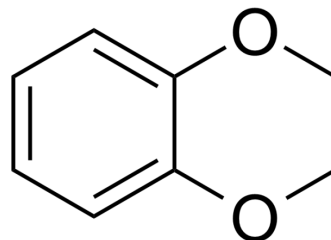


Veratrole

Cat. No.:	HY-B1812		
CAS No.:	91-16-7		
Molecular Formula:	C ₈ H ₁₀ O ₂		
Molecular Weight:	138		
Target:	Antibiotic; Apoptosis; NF-κB		
Pathway:	Anti-infection; Apoptosis; NF-κB		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (362.32 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	7.2464 mL	36.2319 mL	72.4638 mL
	5 mM	1.4493 mL	7.2464 mL	14.4928 mL
	10 mM	0.7246 mL	3.6232 mL	7.2464 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 (18.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (18.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (18.12 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Veratrole is a key compound found widely in plants that attracts pollinators. Veratrole can be used as a safe fragrance ingredient with low acute and administration toxicity^{[1][2]}.

REFERENCES

[1]. Alok K Gupta, et al. Identification of White Campion (*Silene Latifolia*) Guaiacol O-methyltransferase Involved in the Biosynthesis of Veratrole, a Key Volatile for Pollinator

Attraction. BMC Plant Biol. 2012 Aug 31;12:158.

[2]. Api AM, et al. RIFM fragrance ingredient safety assessment, 1,2-dimethoxybenzene, CAS Registry Number 91-16-7. Food Chem Toxicol. 2019 Aug;130 Suppl 1:110618.

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