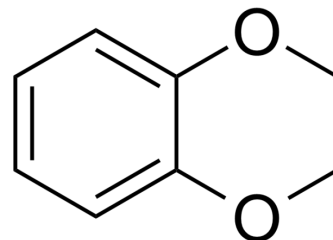


Veratrole

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:	<div>Pure form -20°C 3 years</div> <div> 4°C 2 years</div> <div>In solvent -80°C 6 months</div> <div> -20°C 1 month</div>



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (362.32 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		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	1. 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					
	2. 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					
	3. 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]} .
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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.

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