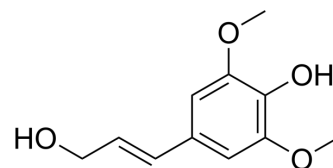


## Sinapyl alcohol

Cat. No.:	HY-W109812
CAS No.:	537-33-7
Molecular Formula:	C <sub>11</sub> H <sub>14</sub> O <sub>4</sub>
Molecular Weight:	210.23
Target:	COX
Pathway:	Immunology/Inflammation
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 (475.67 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	1 mg	5 mg	10 mg
		1 mM	4.7567 mL	23.7835 mL	47.5670 mL
		5 mM	0.9513 mL	4.7567 mL	9.5134 mL
		10 mM	0.4757 mL	2.3783 mL	4.7567 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 (11.89 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.89 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.89 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Sinapyl alcohol is an orally active anti-inflammatory and antinociceptive agent. Sinapyl alcohol reduces the expression level of inducible NO synthase and COX-2 <sup>[1]</sup> .
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### REFERENCES

[1]. Choi, J, et al. Anti-inflammatory and antinociceptive effects of sinapyl alcohol and its glucoside syringin. *Planta Med.* 2004 Nov;70(11):1027-32.

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

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