

## Technical grade

## Chemical Properties

CAS No.:	537-33-7
Formula:	C <sub>11</sub> H <sub>14</sub> O <sub>4</sub>
Molecular Weight:	210.23
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	Technical grade is a natural from <i>Magnolia sieboldii</i>
Targets(IC <sub>50</sub> )	COX-2,iNOS: None
In vitro	Sinapyl alcohol more potently inhibited lipopolysaccharide (LPS)-induced nitric oxide (NO), prostaglandin E <sub>2</sub> (PGE <sub>2</sub> ), and tumor necrosis factor (TNF)- $\alpha$ production by macrophages than syringin. Consistent with these observations, the expression levels of inducible NO synthase (iNOS) and cyclooxygenase (COX)-2 was reduced by sinapyl alcohol in a concentration-dependent manner.
In vivo	Sinapyl alcohol (20,30mg/kg/day, p.o.) inhibited increased vascular permeability by acetic acid in mice and reduced acute paw edema by carrageenan in rats more so than syringin.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.757 mL	23.783 mL	47.567 mL
5 mM	0.951 mL	4.757 mL	9.513 mL
10 mM	0.476 mL	2.378 mL	4.757 mL
50 mM	0.095 mL	0.476 mL	0.951 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Choi J , Shin K M , Park H J , et al. Anti-Inflammatory and Antinociceptive Effects of Sinapyl Alcohol and its Glucoside Syringin[J]. *Planta Medica*, 2004, 70(11):1027-1032.

Inhibitors · Natural Compounds · Compound Libraries

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