



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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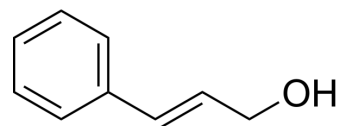
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## Cinnamyl Alcohol

<b>Cat. No.:</b>	HY-Y0078		
<b>CAS No.:</b>	104-54-1		
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>10</sub> O		
<b>Molecular Weight:</b>	134.18		
<b>Target:</b>	PPAR		
<b>Pathway:</b>	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor		
<b>Storage:</b>	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 : 250 mg/mL (1863.17 mM; Need ultrasonic)  
 H<sub>2</sub>O : 100 mg/mL (745.27 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.4527 mL	37.2634 mL	74.5268 mL
	5 mM	1.4905 mL	7.4527 mL	14.9054 mL
	10 mM	0.7453 mL	3.7263 mL	7.4527 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: ≥ 6.25 mg/mL (46.58 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 6.25 mg/mL (46.58 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 6.25 mg/mL (46.58 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Cinnamyl Alcohol is an active component from chestnut flower, inhibits increased PPAR $\gamma$  expression, with anti-obesity activity<sup>[1]</sup>.

### CUSTOMER VALIDATION

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- PLoS Biol. 2024 June 27.
  - bioRxiv. 2023 Jun 3.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Hwang DI, et al. Cinnamyl Alcohol, the Bioactive Component of Chestnut Flower Absolute, Inhibits Adipocyte Differentiation in 3T3-L1 Cells by Downregulating Adipogenic Transcription Factors. Am J Chin Med. 2017;45(4):833-846.

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

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