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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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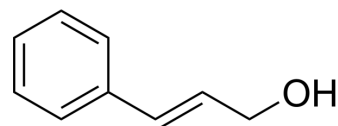
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trans-Cinnamyl alcohol

Cat. No.:	HY-N1867
CAS No.:	4407-36-7
Molecular Formula:	C ₉ H ₁₀ O
Molecular Weight:	134.18
Target:	PPAR
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (745.27 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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 >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (18.63 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (18.63 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

trans-Cinnamyl alcohol is a trans-isomer of Cinnamyl alcohol. Cinnamyl Alcohol is an active component from chestnut flower, inhibits increased PPAR γ expression, with anti-obesity activity. trans-Cinnamyl alcohol, belongs to the class of organic compounds known as cinnamyl alcohols, is a primary metabolite^[1].

REFERENCES

[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.

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

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