



# 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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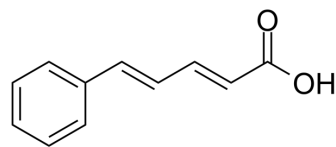
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## Cinnamylideneacetic acid

Cat. No.:	HY-N7129		
CAS No.:	1552-94-9		
Molecular Formula:	C <sub>11</sub> H <sub>10</sub> O <sub>2</sub>		
Molecular Weight:	174.2		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (287.03 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.7405 mL	28.7026 mL	57.4053 mL
	5 mM	1.1481 mL	5.7405 mL	11.4811 mL
	10 mM	0.5741 mL	2.8703 mL	5.7405 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: ≥ 2.5 mg/mL (14.35 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (14.35 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (14.35 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Cinnamylideneacetic acid is a photoresponsive compound which is capable of a photoinduced [2+2] cycloaddition<sup>[1]</sup>.

### REFERENCES

[1]. Melchert C, et al. Synthesis and characterization of telechelic oligoethers with terminal cinnamylidene acetic acid moieties. J Appl Biomater Funct Mater.

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

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