



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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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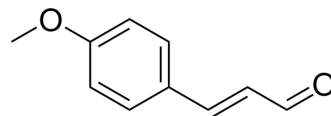
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4-Methoxycinnamaldehyde

Cat. No.:	HY-W013605A
CAS No.:	1963-36-6
Molecular Formula:	C ₁₀ H ₁₀ O ₂
Molecular Weight:	162.19
Target:	RSV
Pathway:	Anti-infection
Storage:	4°C, stored under nitrogen
	* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (616.56 mM)
 H₂O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		6.1656 mL	30.8280 mL	61.6561 mL
	5 mM		1.2331 mL	6.1656 mL	12.3312 mL
	10 mM		0.6166 mL	3.0828 mL	6.1656 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: ≥ 5 mg/mL (30.83 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 5 mg/mL (30.83 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 5 mg/mL (30.83 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4-Methoxycinnamaldehyde (p-Methoxycinnamaldehyde), an active constituent of *Agastache rugosa*, exhibits cytoprotective activity against respiratory syncytial virus (RSV) in human larynx carcinoma cell line. 4-Methoxycinnamaldehyde effectively inhibits cytopathic effect of RSV with an estimated IC₅₀ of 0.055 μg/mL^[1].

REFERENCES

[1]. Kuo Chih Wang, et al. 4-Methoxycinnamaldehyde inhibited human respiratory syncytial virus in a human larynx carcinoma cell line. Phytomedicine. 2009 Sep;16(9):882-6.

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

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