



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

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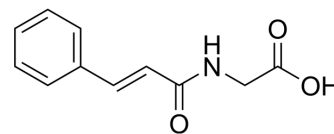
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Cinnamoylglycine

Cat. No.:	HY-77641		
CAS No.:	16534-24-0		
Molecular Formula:	C ₁₁ H ₁₁ NO ₃		
Molecular Weight:	205.21		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 10 mg/mL (48.73 mM; Need ultrasonic)
 H₂O : 1 mg/mL (4.87 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.8731 mL	24.3653 mL	48.7306 mL
	5 mM	0.9746 mL	4.8731 mL	9.7461 mL
	10 mM	0.4873 mL	2.4365 mL	4.8731 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: ≥ 1 mg/mL (4.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 1 mg/mL (4.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 1 mg/mL (4.87 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Cinnamoylglycine is a glycine conjugate of cinnamic acid and a urinary metabolite in human. Cinnamoylglycine is used as a potential urinary biomarker indicating intact or disrupted colonization resistance during and after antibiotic treatment^[1].

IC₅₀ & Target

Microbial Metabolite

Human Endogenous Metabolite

REFERENCES

[1]. Obrenovich ME, et al. Targeted Metabolomics Analysis Identifies Intestinal Microbiota-Derived Urinary Biomarkers of Colonization Resistance in Antibiotic-Treated Mice. *Antimicrob Agents Chemother.* 2017 Jul 25;61(8). pii: e00477-17.

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

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