



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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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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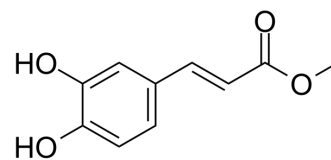
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Methyl caffeate

Cat. No.:	HY-N6005
CAS No.:	3843-74-1
Molecular Formula:	C ₁₀ H ₁₀ O ₄
Molecular Weight:	194.18
Target:	Bacterial
Pathway:	Anti-infection
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 : 33.33 mg/mL (171.64 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		5.1499 mL	25.7493 mL	51.4986 mL
		5 mM		1.0300 mL	5.1499 mL	10.2997 mL
		10 mM		0.5150 mL	2.5749 mL	5.1499 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: ≥ 2.5 mg/mL (12.87 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.87 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.87 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Methyl caffeate, an antimicrobial agent, shows moderate antimicrobial and prominent antimycobacterial activities. Methyl caffeate also exhibits α-glucosidase inhibition activity, oxidative stress inhibiting activity, anti-platelet activity, antiproliferative activity in cervix adenocarcinoma and anticancer activity in lung and leukemia cell lines ^[1] .
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REFERENCES

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

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