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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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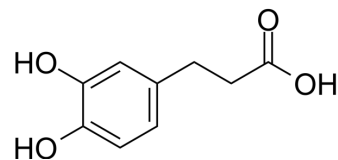
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Dihydrocaffeic acid

Cat. No.:	HY-N2406		
CAS No.:	1078-61-1		
Molecular Formula:	C ₉ H ₁₀ O ₄		
Molecular Weight:	182.17		
Target:	p38 MAPK; Endogenous Metabolite		
Pathway:	MAPK/ERK Pathway; Metabolic Enzyme/Protease		
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 : 250 mg/mL (1372.34 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	5.4894 mL	27.4469 mL	54.8938 mL
	5 mM	1.0979 mL	5.4894 mL	10.9788 mL
	10 mM	0.5489 mL	2.7447 mL	5.4894 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: ≥ 2.08 mg/mL (11.42 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (11.42 mM); Clear solution			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (11.42 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	Dihydrocaffeic acid is a microbial metabolite of flavonoids, reduces phosphorylation of MAPK p38 and prevent UVB-induced skin damage. Antioxidant potential and anti-inflammatory activity ^[1] .		
IC ₅₀ & Target	Microbial Metabolite	p38 MAPK	Human Endogenous Metabolite

CUSTOMER VALIDATION

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- Bone Joint Res. 2023 Apr;12(4):259–273.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Oliveira MM, et al. Dihydrocaffeic Acid Prevents UVB-Induced Oxidative Stress Leading to the Inhibition of Apoptosis and MMP-1 Expression via p38 Signaling Pathway. Oxid Med Cell Longev. 2019 Jan 17;2019:2419096.

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

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