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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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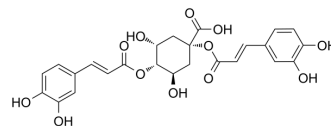
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1,4-Dicaffeoylquinic acid

Cat. No.:	HY-N0358
CAS No.:	1182-34-9
Molecular Formula:	C ₂₅ H ₂₄ O ₁₂
Molecular Weight:	516.45
Target:	TNF Receptor; Interleukin Related
Pathway:	Apoptosis; Immunology/Inflammation
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (193.63 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	1.9363 mL	9.6815 mL	19.3630 mL
		5 mM	0.3873 mL	1.9363 mL	3.8726 mL
		10 mM	0.1936 mL	0.9681 mL	1.9363 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 (4.84 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (4.84 mM); Suspended solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.84 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	1,4-Dicaffeoylquinic acid (1,4-DCQA) is a phenylpropanoid from Xanthii fructus, inhibits LPS-stimulated TNF-α production ^[1] .
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CUSTOMER VALIDATION

- J Agric Food Chem. 2021 Aug 18;69(32):9270-9286.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Yoo SR, et al. Phytochemical Analysis on Quantification and the Inhibitory Effects on Inflammatory Responses from the Fruit of Xanthii fructus. Pharmacogn Mag. 2015 Oct;11(Suppl 4):S585-91.

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

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