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Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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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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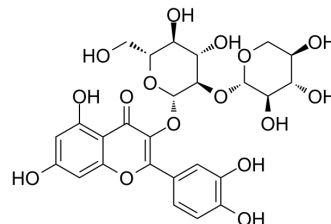
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Quercetin 3-O-sambubioside

Cat. No.:	HY-N8028
CAS No.:	83048-35-5
Molecular Formula:	C ₂₆ H ₂₈ O ₁₆
Molecular Weight:	596.49
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (209.56 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.6765 mL	8.3824 mL	16.7647 mL
	5 mM	0.3353 mL	1.6765 mL	3.3529 mL
	10 mM	0.1676 mL	0.8382 mL	1.6765 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Quercetin-3-O-sambubioside is a monomeric compound found in *Eucommia ulmoides* male flowers. Quercetin-3-O-sambubioside promotes the stimulation of the nerve center. Antioxidant and anticancer activities^{[1][2]}.

In Vivo

Quercetin-3-O-sambubioside (50-400 mg/kg; gavage) promotes the stimulation of the nerve center^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Male Kunming mice ^[1]
Dosage:	50, 100, 200, 400 mg/kg
Administration:	Gavage
Result:	Stimulated the neural center and enhance excitement at low dosages without causing convulsions.

CUSTOMER VALIDATION

- Food Chem. 16 December 2021, 131872.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Li X, et al. Effect of quercetin-3-O-sambubioside isolated from *Eucommia ulmoides* male flowers on spontaneous activity and convulsion rate in mice. *Planta Med.* 2014;80(12):974-977.
- [2]. Bao Chen, et al. Application of high-speed counter-current chromatography and HPLC to separate and purify of three polyacetylenes from *Platycodon grandiflorum*. SHORT COMMUNICATION.
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Caution: Product has not been fully validated for medical applications. For research use only.

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