



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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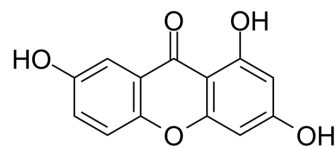
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Gentisein

Cat. No.:	HY-118166
CAS No.:	529-49-7
Molecular Formula:	C ₁₃ H ₈ O ₅
Molecular Weight:	244.2
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (409.50 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.0950 mL	20.4750 mL	40.9500 mL
	5 mM	0.8190 mL	4.0950 mL	8.1900 mL
	10 mM	0.4095 mL	2.0475 mL	4.0950 mL

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

BIOLOGICAL ACTIVITY

Description

Gentisein (NSC 329491), the major metabolite of Mangiferin, shows the most potent serotonin uptake inhibition with an IC₅₀ value of 4.7 μM^{[1][2]}.

REFERENCES

- [1]. Wang H, et al. Identification and determination of four metabolites of mangiferin in rat urine. J Pharm Biomed Anal. 2007;45(5):793-798.
- [2]. Tzankova, Virginia et al. (2010). Inhibition of 5-HT uptake by some constituents of Hypericum annulatum in rat brain in vitro. Pharmacologyonline. 2.

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

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