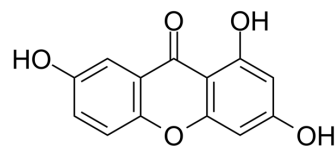


## Gentisein

Cat. No.:	HY-118166
CAS No.:	529-49-7
Molecular Formula:	C <sub>13</sub> H <sub>8</sub> O <sub>5</sub>
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 IC<sub>50</sub> value of 4.7 μM<sup>[1][2]</sup>.

### 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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