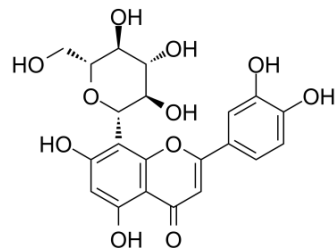


## Orientin

Cat. No.:	HY-N0405
CAS No.:	28608-75-5
Molecular Formula:	C <sub>21</sub> H <sub>20</sub> O <sub>11</sub>
Molecular Weight:	448.38
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 : 31.25 mg/mL (69.70 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.2303 mL	11.1513 mL	22.3025 mL
				5 mM	0.4461 mL	2.2303 mL	4.4605 mL
				10 mM	0.2230 mL	1.1151 mL	2.2303 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 (4.64 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.64 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Orientin is a naturally occurring bioactive flavonoid that possesses diverse biological properties, including anti-inflammation, anti-oxidative, anti-tumor, and cardio protection. Orientin is a promising neuroprotective agent suitable for therapy for neuropathic pain <sup>[1][2]</sup> .
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### REFERENCES

- [1]. Dhakal H, et al. Inhibitory effects of orientin in mast cell-mediated allergic inflammation. *Pharmacol Rep.* 2020 Jan 24.
- [2]. Guo D, et al. Orientin and neuropathic pain in rats with spinal nerve ligation. *Int Immunopharmacol.* 2018 May;58:72-79.

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

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