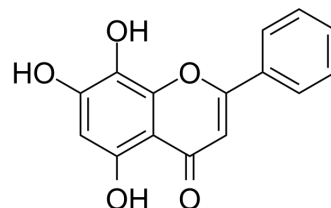


## Norwogonin

Cat. No.:	HY-N2562
CAS No.:	4443-09-8
Molecular Formula:	C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>
Molecular Weight:	270.24
Target:	Enterovirus
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (925.10 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	3.7004 mL	18.5021 mL	37.0041 mL
			5 mM	0.7401 mL	3.7004 mL	7.4008 mL
10 mM	0.3700 mL	1.8502 mL	3.7004 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 (7.70 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Norwogonin, isolated from <i>Scutellaria baicalensis</i> Georgi, possesses antiviral activity against Enterovirus 71 (EV71) with an IC <sub>50</sub> of 31.83 µg/ml <sup>[1]</sup>
IC <sub>50</sub> & Target	IC50: 31.83 µg/ml (EV71) <sup>[1]</sup>
In Vitro	Norwogonin (0.4, 2, 10, and 50 µg/mL; 48 hours) inhibits EV71 replication in Vero cells and prevents the cytotoxicity induced by EV71 infection <sup>[1]</sup> . Norwogonin (50 µg/mL; 48 hours) dramatically decreases viral VP2 protein expression <sup>[1]</sup> . Norwogonin (50 µg/mL; 48 hours) strongly decreases the expression of EV71 NCR gene at 48 h <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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

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