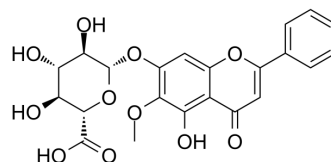


## Oroxylin A-7-O-glucuronide

<b>Cat. No.:</b>	HY-N2481		
<b>CAS No.:</b>	36948-76-2		
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>20</sub> O <sub>11</sub>		
<b>Molecular Weight:</b>	460.39		
<b>Target:</b>	Prolyl Endopeptidase (PREP)		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (108.60 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.1721 mL	10.8604 mL	21.7207 mL
5 mM	0.4344 mL	2.1721 mL	4.3441 mL
10 mM	0.2172 mL	1.0860 mL	2.1721 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.08 mg/mL (4.52 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.08 mg/mL (4.52 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Oroxylin A-7-O-glucuronide (Oroxyloside; Oroxylin A-7-O-β-D-glucuronide) is a flavonoid glucuronide isolated from the dried root of *Scutellaria baicalensis*, with prolyl oligopeptidase (POP) inhibitory activity<sup>[1]</sup>.

### REFERENCES

- [1]. Marques MR, et al. Flavonoids with prolyl oligopeptidase inhibitory activity isolated from *Scutellaria racemosa* Pers. *Fitoterapia*. 2010 Sep;81(6):552-6.

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

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