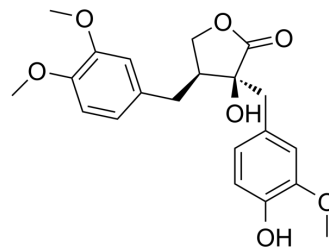


## Trachelogenin

Cat. No.:	HY-N7934
CAS No.:	34209-69-3
Molecular Formula:	C <sub>21</sub> H <sub>24</sub> O <sub>7</sub>
Molecular Weight:	388.41
Target:	HCV
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 : 100 mg/mL (257.46 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.5746 mL	12.8730 mL	25.7460 mL
				5 mM	0.5149 mL	2.5746 mL	5.1492 mL
				10 mM	0.2575 mL	1.2873 mL	2.5746 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: 2.5 mg/mL (6.44 mM); Suspended solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (6.44 mM); Suspended solution; Need ultrasonic						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.44 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Trachelogenin ((-)-Trachelogenin) is an HCV entry inhibitor without genotype specificity, and with low cytotoxicity. Trachelogenin inhibits HCVcc infection and HCVpp cell entry in a dose-dependent manner with an IC <sub>50</sub> of 0.325 and 0.259 μg/mL in HCVcc and HCVpp models, respectively. Trachelogenin exhibits effective antiviral, anti-inflammatory and analgesic effects <sup>[1]</sup> .
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### REFERENCES

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

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