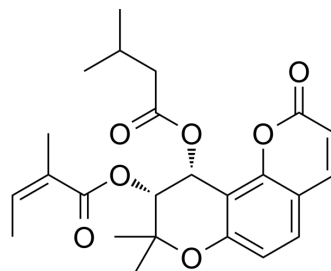


## Praeruptorin C

<b>Cat. No.:</b>	HY-N0079
<b>CAS No.:</b>	72463-77-5
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>28</sub> O <sub>7</sub>
<b>Molecular Weight:</b>	428.47
<b>Target:</b>	Calcium Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 25 mg/mL (58.35 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>2.3339 mL</td> <td>11.6694 mL</td> <td>23.3389 mL</td> </tr> <tr> <td>5 mM</td> <td>0.4668 mL</td> <td>2.3339 mL</td> <td>4.6678 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2334 mL</td> <td>1.1669 mL</td> <td>2.3339 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	2.3339 mL	11.6694 mL	23.3389 mL	5 mM	0.4668 mL	2.3339 mL	4.6678 mL	10 mM	0.2334 mL	1.1669 mL	2.3339 mL
Solvent	Mass			Concentration																		
		1 mg	5 mg	10 mg																		
Preparing Stock Solutions	1 mM	2.3339 mL	11.6694 mL	23.3389 mL																		
	5 mM	0.4668 mL	2.3339 mL	4.6678 mL																		
	10 mM	0.2334 mL	1.1669 mL	2.3339 mL																		
	Please refer to the solubility information to select the appropriate solvent.																					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.83 mM); Clear solution																					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Praeruptorin C is a main bioactive constituent of <i>Peucedanum praeruptorum</i> (also known as Bai-Hua Qian Hu). Praeruptorin C is a calcium antagonist with pD <sub>2</sub> ' value of 5.7 <sup>[1]</sup> .
--------------------	---

### REFERENCES

[1]. Rao MR, et al. Effects of praeruptorin C and E isolated from 'Qian-Hu' on swine coronary artery and guinea-pig atria. *Eur J Pharmacol.* 1988 Oct 18;155(3):293-6.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA