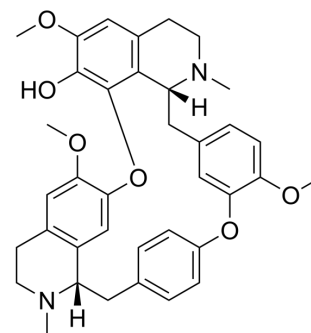


## (R)-Fangchinoline

Cat. No.:	HY-N1372
CAS No.:	33889-68-8
Molecular Formula:	C <sub>37</sub> H <sub>40</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	608.72
Target:	Bacterial; Antibiotic
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 : 50 mg/mL (82.14 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.6428 mL	8.2140 mL	16.4279 mL
		5 mM	0.3286 mL	1.6428 mL	3.2856 mL
	10 mM	0.1643 mL	0.8214 mL	1.6428 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 (4.11 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.11 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	(R)-Fangchinoline (Thalrugosine), a alkaloids from <i>Stephania tetrandra</i> exhibits antimicrobial and hypotensive activity. The roots and stems of several plants from genus <i>Stephania</i> are all used as traditional Chinese medicine and have been used for treatment of fever, diarrhea, dyspepsia and urinary disease <sup>[1]</sup> .
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### REFERENCES

[1]. Xiao J, et al. Rapid characterization of TCM Qianjinteng by UPLC-QTOF-MS and its application in the evaluation of three species of *Stephania*. J Pharm Biomed Anal. 2018 Jul 15;156:284-296.

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

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