



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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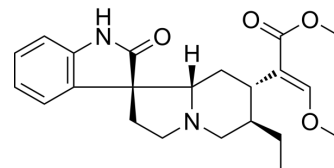
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## Isorhynchophylline

<b>Cat. No.:</b>	HY-N0766	
<b>CAS No.:</b>	6859-01-4	
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>28</sub> N <sub>2</sub> O <sub>4</sub>	
<b>Molecular Weight:</b>	384.47	
<b>Target:</b>	SOD	
<b>Pathway:</b>	Immunology/Inflammation	
<b>Storage:</b>	Powder	-20°C 3 years 4°C 2 years
	In solvent	-80°C 2 years -20°C 1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (260.10 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6010 mL	13.0049 mL	26.0098 mL
	5 mM	0.5202 mL	2.6010 mL	5.2020 mL
	10 mM	0.2601 mL	1.3005 mL	2.6010 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: ≥ 2.75 mg/mL (7.15 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.75 mg/mL (7.15 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Isorhynchophylline is an alkaloid compound isolated from *Uncaria*. It can lower blood pressure, relax blood vessels, and protect nerves from damage caused by local ischemia.

### REFERENCES

- [1]. Yan-Fang Xian, et al. Isorhynchophylline improves learning and memory impairments induced by D-galactose in mice. *Neurochemistry International* Volume 76, October 2014, Pages 42–49
- [2]. Guo H, et al. Isorhynchophylline protects against pulmonary arterial hypertension and suppresses PASMCs proliferation. *Biochem Biophys Res Commun*. 2014 Jul

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

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