



# 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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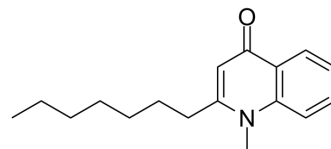
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## Schinifoline

<b>Cat. No.:</b>	HY-N4164		
<b>CAS No.:</b>	80554-58-1		
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>23</sub> NO		
<b>Molecular Weight:</b>	257.37		
<b>Target:</b>	Apoptosis		
<b>Pathway:</b>	Apoptosis		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (388.55 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.8855 mL	19.4273 mL	38.8546 mL
	5 mM	0.7771 mL	3.8855 mL	7.7709 mL
	10 mM	0.3885 mL	1.9427 mL	3.8855 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: ≥ 2.5 mg/mL (9.71 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (9.71 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (9.71 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Schinifoline, a 4-quinolinone derivative isolated from *Zanthoxylum schinifolium* Sieb, improves radiosensitizing effect, and effects cell cycle and apoptotic-inducing effects in cancer <sup>[1]</sup>.

### REFERENCES

- [1]. Wang CF, et al. Radiosensitizing effect of schinifoline from *Zanthoxylum schinifolium* Sieb et Zucc on human non-small cell lung cancer A549 cells: a preliminary in vitro

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

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