



# 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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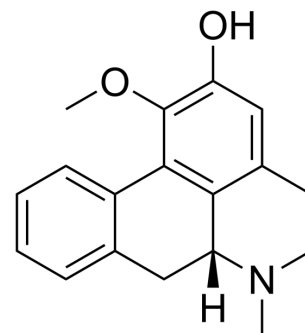
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## O-Nornuciferine

<b>Cat. No.:</b>	HY-N7511
<b>CAS No.:</b>	3153-55-7
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>19</sub> NO <sub>2</sub>
<b>Molecular Weight:</b>	281.35
<b>Target:</b>	Potassium Channel; Endogenous Metabolite
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Metabolic Enzyme/Protease
<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

#### In Vitro

DMSO : 50 mg/mL (177.71 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		3.5543 mL	17.7715 mL	35.5429 mL
5 mM		0.7109 mL	3.5543 mL	7.1086 mL
10 mM		0.3554 mL	1.7771 mL	3.5543 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

O-Nornuciferine, an aporphine-type alkaloid from lotus leaf, is a potent hERG channel inhibitor<sup>[1]</sup>.

#### In Vitro

O-Nornuciferine has an IC<sub>50</sub> of 7.91 μM in vitro hERG blockages measured in HEK293 cells<sup>[1]</sup>.  
O-Nornuciferine (100 μM) has 47% hERG channel inhibition in Xenopus oocytes by lotus alkaloids<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Ulrike Grienke, et al. Human Ether-à-go-go Related Gene (hERG) Channel Blocking Aporphine Alkaloids From Lotus Leaves and Their Quantitative Analysis in Dietary Weight Loss Supplements. J Agric Food Chem. 2015 Jun 17;63(23):5634-9.

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

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