



# 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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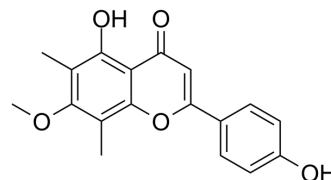
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## Sideroxylin

<b>Cat. No.:</b>	HY-N1306		
<b>CAS No.:</b>	3122-87-0		
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>16</sub> O <sub>5</sub>		
<b>Molecular Weight:</b>	312.32		
<b>Target:</b>	Bacterial; Reactive Oxygen Species; Apoptosis		
<b>Pathway:</b>	Anti-infection; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; Apoptosis		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 15.5 mg/mL (49.63 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2018 mL	16.0092 mL	32.0184 mL
	5 mM	0.6404 mL	3.2018 mL	6.4037 mL
	10 mM	0.3202 mL	1.6009 mL	3.2018 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Sideroxylin is a C-methylated flavone isolated from *Callistemon lanceolatus* and exerts antimicrobial activity against *Staphylococcus aureus*. Sideroxylin inhibits ovarian cancer cell proliferation and induces apoptosis, causing DNA fragmentation, depolarization of the mitochondrial membrane, the generation of reactive oxygen species (ROS)<sup>[1]</sup>.

### REFERENCES

[1]. Sunwoo Park, et al. Sideroxylin (*Callistemon Lanceolatus*) Suppressed Cell Proliferation and Increased Apoptosis in Ovarian Cancer Cells Accompanied by Mitochondrial Dysfunction, the Generation of Reactive Oxygen Species, and an Increase of Lipid Peroxidat

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

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