



# 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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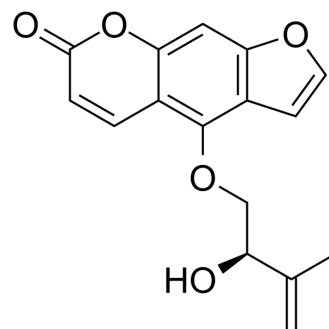
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## Pangelin

Cat. No.:	HY-N8131
CAS No.:	33783-80-1
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> O <sub>5</sub>
Molecular Weight:	286.28
Target:	Bacterial
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 (174.65 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.4931 mL	17.4654 mL	34.9308 mL
				5 mM	0.6986 mL	3.4931 mL	6.9862 mL
				10 mM	0.3493 mL	1.7465 mL	3.4931 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: ≥ 1.25 mg/mL (4.37 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (4.37 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Pangelin is a coumarin that can be found in <i>Ducrosia anethifolia</i> . Pangelin exhibits anti-mycobacterial and anti-tumor activities <sup>[1][2]</sup> .
In Vitro	Pangelin shows a potent cytotoxic activity with the IC <sub>50</sub> s of 8.6 to 14.6 μg/mL against four kinds of tumor cell lines <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Thanh PN, et, al. Cytotoxic coumarins from the root of *Angelica dahurica*. Arch Pharm Res. 2004 Dec;27(12):1211-5.

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

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