



# 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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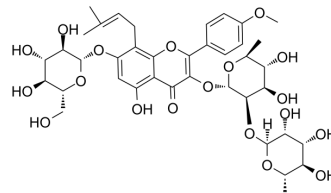
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## Epmedin C

<b>Cat. No.:</b>	HY-N0260		
<b>CAS No.:</b>	110642-44-9		
<b>Molecular Formula:</b>	C <sub>39</sub> H <sub>50</sub> O <sub>19</sub>		
<b>Molecular Weight:</b>	822.8		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 250 mg/mL (303.84 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.2154 mL	6.0768 mL	12.1536 mL	
5 mM	0.2431 mL	1.2154 mL	2.4307 mL	
10 mM	0.1215 mL	0.6077 mL	1.2154 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: ≥ 2.08 mg/mL (2.53 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.08 mg/mL (2.53 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Epmedin C, a natural product, has estrogen-like effects for ovariectomized mice. IC50 value: Target: In vitro: In vivo: Anesthetized with 0.4% pentobarbital sodium, mice of the ovariectomized group were conducted with Bilateral oophorectomy, while fat beside ovaries were removed on mice of the sham-operation group. Compared with the sham-operation group, body weight of mice of model group were significantly increased, uterus weight and uterine factor and estradiol levels were significantly reduced, which suggested a significant difference. In comparison of the ovariectomized group, body weight of mice were relieved significantly and uterus weight and uterine factor and estradiol levels were increased significantly in all Epmedin C groups [1].

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## CUSTOMER VALIDATION

- J Nat Prod. 2023 Aug 25.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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## REFERENCES

[1]. WEN Yu, et al. Effect of Epmedin C on Estrogen in Ovariectomized Mice. Modern Chinese Medicine, 2012-05

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

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