



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

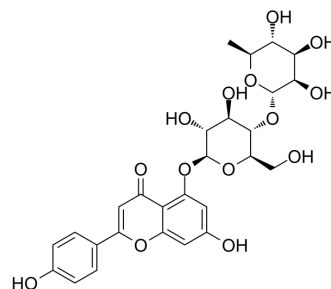
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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## Camellianin B

<b>Cat. No.:</b>	HY-N9314
<b>CAS No.:</b>	109232-76-0
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>30</sub> O <sub>14</sub>
<b>Molecular Weight:</b>	578.52
<b>Target:</b>	Angiotensin-converting Enzyme (ACE)
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Camellianin B, a flavonoid compound, is a Camellianin A metabolite. Camellianin B has antioxidant and angiotensin converting enzyme (ACE) inhibitory activities <sup>[1][2]</sup> .
<b>In Vitro</b>	At 500 µg/mL, the ACE inhibitory activities of Camellianin B is 40.68%. Camellianin B has DPPH radical scavenging activity with IC <sub>50</sub> value of 1.8 mg/mL <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	Camellianin B has a wide tissue distribution with brain penetration <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Yunliang Zheng, et al. Pharmacokinetics and tissue distribution study of camellianin A and its major metabolite in rats by liquid chromatography with tandem mass spectrometry. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2015 Aug 1;997:200-9.

[2]. Benguo Liu, et al. Antioxidant and angiotensin converting enzyme (ACE) inhibitory activities of ethanol extract and pure flavonoids from *Adinandra nitida* leaves. *Pharm Biol.* 2010 Dec;48(12):1432-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA