



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

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- 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

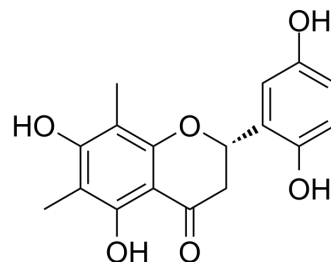
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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## Myrciacetin

Cat. No.:	HY-N9335
CAS No.:	203734-35-4
Molecular Formula:	C <sub>17</sub> H <sub>16</sub> O <sub>6</sub>
Molecular Weight:	316.31
Target:	Aldose Reductase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Myrciacetin is a flavonoid from <i>Rhododendron dauricum</i> . Myrciacetin is against rat lens aldose reductase with an IC <sub>50</sub> of 13 μM <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : aldose reductase <sup>[1]</sup>
<b>In Vitro</b>	Aldose reductase catalyzes the reduction of glucose to sorbitol in the polyol pathway and is related to chronic complications such as peripheral neuropathy, retinopathy, and cataracts <sup>[1]</sup> . Myrciacetin shows potent inhibitory activity against rat lens aldose reductase with an IC <sub>50</sub> of 13 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Hisashi MATSUDA, et al. Antidiabetic Principles of Natural Medicines. V.1) Aldose Reductase Inhibitors from *Myrcia multiflora* DC. (2): Structures of Myrciacitrins III, IV, and V. N Chem. Pharm. Bull. 50(3) 429–431 (2002)
- [2]. Xin-Wei Lou, et al. Identification and characterization of three new flavonoids from *Rhododendron dauricum*. Chin J Nat Med

**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