



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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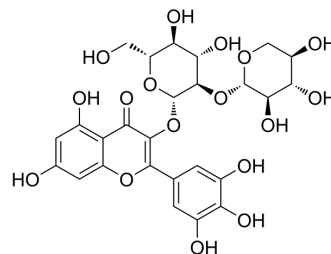
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## Myricetin-3-O-β-D-xylopyranosyl-(1→2)-β-D-glucopyranoside

Cat. No.:	HY-N7907
CAS No.:	142449-93-2
Molecular Formula:	C <sub>26</sub> H <sub>28</sub> O <sub>17</sub>
Molecular Weight:	612.49
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Myricetin-3-O-β-D-xylopyranosyl-(1→2)-β-D-glucopyranoside is a natural product that can be obtained from sphaerophysa salsula. Myricetin-3-O-β-D-xylopyranosyl-(1→2)-β-D-glucopyranoside inhibits triglyceride (TG) accumulation in 3T3-L1 adipocytes <sup>[1][2]</sup> .								
<b>In Vitro</b>	<p>Myricetin-3-O-β-D-xylopyranosyl-(1→2)-β-D-glucopyranoside (30 μM, 14 days) shows inhibitory activity on TG and FFA accumulation in mature 3T3-L1 cells<sup>[2]</sup>.</p> <p>Myricetin-3-O-β-D-xylopyranosyl-(1→2)-β-D-glucopyranoside (30 μM, 14 days) down-regulates the mRNA expressions of PPARγ, CEBPα, and ap2<sup>[2]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>RT-PCR<sup>[2]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>3T3-L1 cells</td> </tr> <tr> <td>Concentration:</td> <td>30 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>14 days</td> </tr> <tr> <td>Result:</td> <td>Down-regulated PPARγ, C/EBPα, and ap2 expression.</td> </tr> </table>	Cell Line:	3T3-L1 cells	Concentration:	30 μM	Incubation Time:	14 days	Result:	Down-regulated PPARγ, C/EBPα, and ap2 expression.
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Incubation Time:	14 days								
Result:	Down-regulated PPARγ, C/EBPα, and ap2 expression.								

### REFERENCES

- [1]. Ma Z, et al. Flavonoids from the seeds of Sphaerophysa salsula. J Asian Nat Prod Res. 2004 Mar;6(1):69-73.
- [2]. An Y, et al. Inhibitory effects of flavonoids from Abelmoschus manihot flowers on triglyceride accumulation in 3T3-L1 adipocytes. Fitoterapia. 2011 Jun;82(4):595-600.

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

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