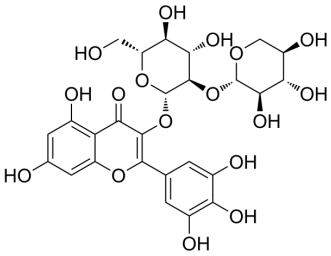
Myricetin-3-O-β-D-xylopyranosyl-(1→2)-β-D-glucopyranoside

Cat. No.:	HY-N7907
CAS No.:	142449-93-2
Molecular Formula:	$C_{26}H_{28}O_{17}$
Molecular Weight:	612.49
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

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[1][2].

In Vitro

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[2].

Myricetin-3-O-β-D-xylopyranosyl-(1→2)-β-D-glucopyranoside (30 μM, 14 days) down-regulates the mRNA expressions of PPARγ, CEBP/α, and ap2[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

RT-PCR[2]

Cell Line:	3T3-L1 cells
Concentration:	30 μM
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.

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

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