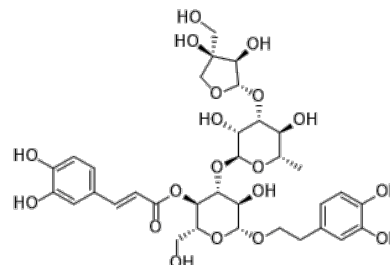


Product Name : Myricoside
Cat. No. : PC-26819
CAS No. : 76076-04-5
Molecular Formula : C₃₄H₄₄O₁₉
Molecular Weight : 756.71
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Myricoside is a phenylethanoid triglycoside from *Phlomis oppositiflora* and small molecule β 1,4-galactosyltransferase III (B4GALT3) inhibitor.

Myricoside occupies the catalytic pocket of B4GALT3, forming hydrogen bonds with key residues (Asp195, Asp197, His291, Asp294) and hydrophobic interactions.

Myricoside induced dose-dependent RB cell death, reduced fibronectin adhesion, decreased β 1-integrin galactosylation, and suppressed the FAK-PI3K-AKT-Bcl2 axis, mimicking the effects of B4GALT3 knockdown.

Myricoside attenuated proptosis and corneal neovascularization, and significantly reduced tumor size and invasiveness in orthotopic retinoblastoma xenograft model.

References

Tang J, et al. *Cell Death Dis.* 2026 Mar 23;17(1):336.

Calış I, et al. *Nat Prod Res.* 2005 Jul;19(5):493-501.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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