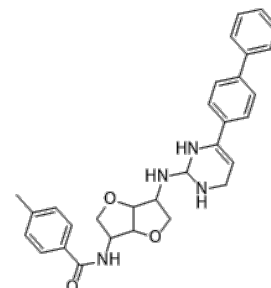


Product Name : Pinoresinol
Cat. No. : PC-27917
CAS No. : 487-36-5
Molecular Formula : C₂₀H₂₂O₆
Molecular Weight : 358.39
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Pinoresinol ((+)-Pinoresinol) is a putative hypoglycemic agent in defatted sesame (*Sesamum indicum*) seeds, shows inhibitory activity against rat intestinal α -glucosidase with IC₅₀ of 34.3 μ M, inhibits proliferation and induces differentiation on human HL60 leukemia cells, also exerts enzymatic β -glucuronidase inhibitory activity with IC₅₀ of 27.9 μ M.

References

- Chen CC, et al. *Planta Med.* 1999 Dec;65(8):709-11.
Wikul A, et al. *Bioorg Med Chem Lett.* 2012 Aug 15;22(16):5215-7.
Wang GK, et al. *Nat Prod Res.* 2013 Aug;27(15):1348-52.
Nishikawa S, et al. *J Nat Med.* 2026 Jul 28. doi: 10.1007/s11418-026-02070-1.

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

E-mail: tech@probechem.com