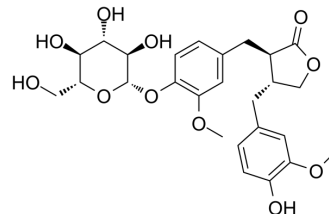


Matairesinoside

Cat. No.:	HY-N7996
CAS No.:	23202-85-9
Molecular Formula:	C ₂₆ H ₃₂ O ₁₁
Molecular Weight:	520.53
Target:	Bacterial; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Matairesinoside is a lignan with antibacterial and antioxidant activities. Matairesinoside also shows virus-cell fusion inhibitory activity ^{[1][2]} .
In Vitro	Matairesinoside shows high virus-cell fusion inhibitory activity with the fusion inhibition of 46.7% ^[1] . Matairesinoside shows prominent free radical scavenging activity in the DPPH assay, with the IC ₅₀ is 2.19 µg/mL ^[2] . Matairesinoside is most active against <i>Pseudomonas aeruginosa</i> (MIC of 0.001 mg/mL) ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Dung Gun Lee, et al. Isolation of virus-cell fusion inhibitory components from the stem bark of *Styrax japonica* S. et Z. Arch Pharm Res. 2010 Jun;33(6):863-6.
- [2]. Yashodharan Kumarasamy, et al. Biological Activity of Lignans from the Seeds of *Centaurea scabiosa*. Pharmaceutical Biology (Lisse, Netherlands) (2003), 41(3), 203-206.

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

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