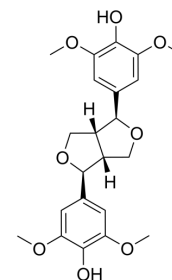


DL-Syringaresinol

Cat. No.:	HY-N1190
CAS No.:	1177-14-6
Molecular Formula:	C ₂₂ H ₂₆ O ₈
Molecular Weight:	418.44
Target:	p38 MAPK; AP-1; Bacterial
Pathway:	MAPK/ERK Pathway; Immunology/Inflammation; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



Relative stereochemistry.

BIOLOGICAL ACTIVITY

Description

DL-Syringaresinol ((±)-Syringaresinol), a lignin, inhibits UVA-induced upregulation of MMP-1 by suppressing MAPK/AP-1 signaling in human HaCaT keratinocytes and dermal fibroblasts (HDFs). DL-Syringaresinol has anti-photoaging properties against UVA-induced skin aging. DL-Syringaresinol exhibits weak antimycobacterial activity against Mycobacterium tuberculosis H37Rv^{[1][2]}.

REFERENCES

[1]. Su-Yen Chang, et al. Antimycobacterial butanolides from the root of *Lindera akoensis*. *Chem Biodivers*. 2008 Dec;5(12):2690-8.

[2]. Jung Hwan Oh, et al. Syringaresinol Inhibits UVA-Induced MMP-1 Expression by Suppression of MAPK/AP-1 Signaling in HaCaT Keratinocytes and Human Dermal Fibroblasts. *Int J Mol Sci*. 2020 Jun 1;21(11):3981.

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

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