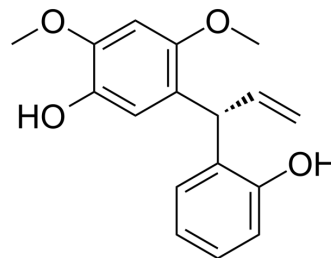


(-)-Latifolin

Cat. No.:	HY-N8380
CAS No.:	10154-42-4
Molecular Formula:	C ₁₇ H ₁₈ O ₄
Molecular Weight:	286.32
Target:	Apoptosis; Autophagy; PI3K; Necroptosis
Pathway:	Apoptosis; Autophagy; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(-)-Latifolin, a flavonoid, induces apoptotic cell death by targeting PI3K/AKT/mTOR/p70S6K signaling. (-)-Latifolin significantly inhibits the cell proliferation of oral squamous cell carcinoma (OSCC), and causes the anti-metastatic activities by effectively blocking cell migration, invasion, and adhesion via the inactivation of FAK/Src. (-)-Latifolin suppresses autophagic-related proteins and autophagosome formation. (-)-Latifolin inhibits necroptosis by dephosphorylating necroptosis-regulatory proteins (RIP1, RIP3, and MLKL). (-)-Latifolin has beneficial effects on anti-aging, anti-carcinogenic, anti-inflammatory, and cardio-protective activities^[1].

REFERENCES

[1]. Hyung-Mun Yun, et al. Latifolin, a Natural Flavonoid, Isolated from the Heartwood of *Dalbergia odorifera* Induces Bioactivities through Apoptosis, Autophagy, and Necroptosis in Human Oral Squamous Cell Carcinoma. *Int J Mol Sci.* 2022 Nov 7;23(21):13629.

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

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