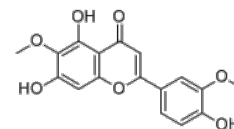


Product Name : Jaceosidin
Cat. No. : PC-36080
CAS No. : 18085-97-7
Molecular Formula : C₁₇H₁₄O₇
Molecular Weight : 330.292
Target : Bcl-2
Solubility : 10 mM in DMSO



Biological Activity

Jaceosidin (4'-Demethyleupatilin, Jaseocidin) is a trihydroxyflavone that exhibits anti-allergic, anti-inflammatory and apoptosis inducing activities, activates **Bax** and down-regulates **Mcl-1** and c-FLIP expression. Jaceosidin promotes angiogenesis via activation of VEGFR2/FAK/PI3K/AKT/NF-κB signaling pathways in endothelial cells. Jaceosidin shows selective suppression of proliferation (IC₅₀ = 82.1 μM in HSC-3 cells and 97.5 μM in Ca9.22 cells) and accumulation of cells at the sub-G1 stage of the cell cycle, induces apoptotic cell death and inhibits the Akt pathway in oral cancer cells.

References

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Allison BJ, et al. *Nat Prod Res.* 2017 Mar;31(6):707-712.
Lee TH, et al. *Exp Biol Med* (Maywood). 2014 Oct;239(10):1325-34.

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

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