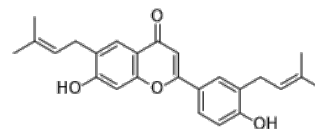


Product Name : Licoflavone B
Cat. No. : PC-25607
CAS No. : 91433-17-9
Molecular Formula : C₂₅H₂₆O₄
Molecular Weight : 390.48
Target : Influenza Virus
Solubility : 10 mM in DMSO



Biological Activity

Licoflavone B is an isoprene flavonoid derived from licorice residue and potent anti-influenza agent, selectively targets the viral RNA-dependent RNA polymerase (RdRp) with IC₅₀ of 9.9 μM, effectively suppressing viral replication, also exerts anti-ulcerative colitis (UC) activity through blocking the MAPK pathway.

Licoflavone B demonstrates significant antiviral activity of licoflavone B against the influenza virus with IC₅₀ of 6.7 μM against A/Puerto Rico/8/34 (H1N1).

Licoflavone B has a stable inhibitory effect against A/Puerto Rico/8/34 (H1N1) at 24, 48, and 72 hpi, with IC₅₀ values of 5.4, 12.1, and 12.4 μM, respectively.

Licoflavone B shows broad inhibitory activity against A/Puerto Rico/8/34 (H1N1), followed by A/Darwin/9/2021 (H3N2).

References

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Fan P, et al. Viruses. 2025 Aug 24;17(9):1157.

Grienke U, et al. J Nat Prod. 2014 Mar 28;77(3):563-70.

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

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