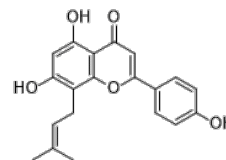


Product Name : Licoflavone C
Cat. No. : PC-25609
CAS No. : 72357-31-4
Molecular Formula : C₂₀H₁₈O₅
Molecular Weight : 338.36
Target : SARS-CoV-2 Inhibitors
Solubility : 10 mM in DMSO



CAS: 72357-31-4

Biological Activity

Licoflavone C is a prenyl-flavone extracted from *Genista ephedroides* and SARS-CoV-2 nsp13 inhibitor, block both SARS-CoV-2 nsp13 unwinding and ATPase activities with IC₅₀ of 1.34 uM and 24.6 uM respectively.

Licoflavone C is a unique dual SARS-CoV-2 nsp13 inhibitor with a ~20-fold specificity for the nsp13-associated unwinding activity over the nsp13-associated ATPase activity.

Licoflavone C also a cap-dependent endonuclease inhibitor against severe fever with thrombocytopenia syndrome virus (SFTSV, EC₅₀=1.85 uM).

Licoflavone C (20 mg/kg, i.v.) significantly reduced tissue viral loads in SFTSV-challenged mouse model.

Licoflavone C also exhibits broad-spectrum inhibition on several NSV CENs (HRTV, GTV, and LCMV) besides SFTSV.

References

Corona A, et al. ACS Pharmacol Transl Sci. 2022 Apr 1;5(4):226-239.

Gao X, et al. Acta Pharmacol Sin. 2025 Sep;46(9):2482-2495.

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

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