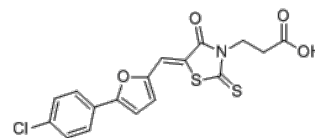


Product Name : Claficapavir
Cat. No. : PC-73411
CAS No. : 2055732-24-4
Molecular Formula : C₁₇H₁₂ClNO₄S₂
Molecular Weight : 393.856
Target : HIV
Solubility : 10 mM in DMSO



Biological Activity

Claficapavir (A1752) is a specific small molecule inhibitor of **HIV-1 nucleocapsid** protein (K_d=20 nM), shows a strong antiviral efficacy with IC₅₀ of 1 μM.

A1752 binds directly to HIV-1 nucleocapsid protein (NC), specifically inhibits the chaperone functions of NC including Psi RNA dimerization and complementary trans-activation response element (cTAR) DNA destabilization.

A1752 also disrupts the proper Gag processing.

A1752 generates noninfectious viral particles with defects in uncoating and reverse transcription in the infected cells.

References

Kim MJ, et al. *Retrovirology*. 2015 Nov 6;12:90.

Suppiah J, et al. *Hepat Mon*. 2014 Nov 30;14(12):e22565.

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

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