

Product Name : AXC-715 trihydrochloride
Cat. No. : PC-26697
CAS No. : 2479276-17-8
Molecular Formula : C₁₈H₂₈Cl₃N₅
Molecular Weight : 420.81
Target : Toll-like Receptor (TLR)
Solubility : 10 mM in DMSO



Biological Activity

AXC-715 (T785) trihydrochloride is a small-molecule TLR7 agonist, elicits broad-spectrum antiviral effects, stabilizes TLR7 receptor dimerization to inhibit viral replication.

AXC-715 exhibits direct binding affinity to TLR7 protein, promotes and stabilizes TLR7 dimer formation.

AXC-715 activates NF-κB signaling via a p65-dependent mechanism.

AXC-715 inhibits pseudorabies virus (PRV) and vesicular stomatitis virus (VSV) replication in vitro.

AXC-715 suppresses viral replication in a strictly TLR7-dependent manner, specifically impairing viral replication, distinct from adsorption, entry, assembly, or release processes.

References

Patent WO2020168017A1.

Chen Yao, et al. Microorganisms. 2026 Apr 11;14(4):862.

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

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