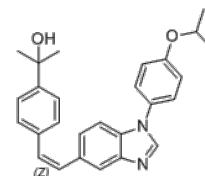


Product Name : LHF-535
Cat. No. : PC-35909
CAS No. : 1450929-77-7
Molecular Formula : C₂₇H₂₈N₂O₂
Molecular Weight : 412.533
Target : Arenavirus
Solubility : 10 mM in DMSO



Biological Activity

LHF-535 (LHF535, LHF 535) is a small-molecule **viral entry** inhibitor that targets the arenavirus envelope glycoprotein, exhibits potent antiviral activity against a broad array of hemorrhagic fever arenaviruses with IC₅₀ of 0.1-0.3 nM. LHF-535 has sub-nanomolar potency against the viral envelope glycoproteins from all Lassa virus lineages, with the exception of the glycoprotein from the LP strain from lineage I, which was 100-fold less sensitive than that of other strains. LHF-535 potently inhibited Junín virus, but not Candid#1 in virus-yield reduction assays. LHF-535 protects mice in a lethal Tacaribe virus model at 10 mg/kg.

References

Madu IG, et al. *PLoS Pathog.* 2018 Dec 21;14(12):e1007439.

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

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