

Product Name : LHF-535

Synonyms : LHF535;LHF 535

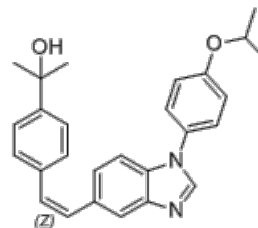
Cat No. : M11942

CAS Number : 1450929-77-7

Molecular Formula : C₂₇H₂₈N₂O₂

Formula Weight : 412.53

Chemical Name : (Z)-2-(4-(2-(1-(4-isopropoxyphenyl)-1H-benzo[d]imidazol-5-yl)vinyl)phenyl)propan-2-ol



Description : 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; potently inhibited Junin virus, but not Candid#1 in virus-yield reduction assays; protects mice in a lethal Tacaribe virus model at 10 mg/kg. Other Indication Phase 1 Clinical

Pathway : Microbiology/Virology

Target : Arenavirus

Receptor : Arenavirus

Solubility : DMSO : 96.67 mg/mL 234.34 mM; H₂O : < 0.1 mg/mL

SMILES : CC(O)(C1=CC=C(C=C1)/C=C/C2=CC=C3N(C4=CC=C(OC(C)C)C=C4)C=NC3=C2)C=C1)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

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