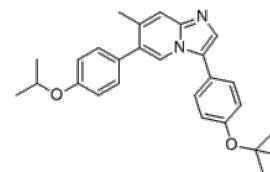


Product Name : ARN-75039
Cat. No. : PC-72615
CAS No. : 2436472-47-6
Molecular Formula : C₂₇H₃₀N₂O₂
Molecular Weight : 414.549
Target : Arenavirus
Solubility : 10 mM in DMSO



Biological Activity

ARN-75039 (ARN75039) is a potent, small molecule fusion inhibitor of **arenavirus**, inhibits pseudotyped entry of pGTOV and pCHAPV with EC₅₀ of 0.13 and 4.3 nM, respectively.

ARN-75039 demonstrated sub-nanomolar EC₅₀ activity against pTCRV that further translated to native wild-and NWAs, including LASV, JUNV and MACV, in pseudotyped virus assays and against native replicative LASV and JUNV.

ARN-75039 also potently inhibits mutant T434I pTCRV variant with EC₅₀ of 29 nM.

ARN-75039 dramatically improved survival outcome and potently inhibited TCRV replication in serum and various tissues at doses of 10 and 35 mg/kg, provided highly significant post-exposure protection in mice against TCRV infection.

References

Brian B Gowen, et al. *Antiviral Res.* 2021 Sep;193:105125.

Michael B Plewe, et al. *Bioorg Med Chem Lett.* 2021 Jun 1;41:127983.

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

E-mail: tech@probechem.com