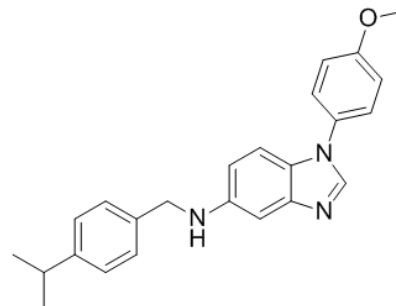


Product Name : ST-193
Cat. No. : PC-42388
CAS No. : 489416-12-8
Molecular Formula : C₂₄H₂₅N₃O
Molecular Weight : 371.4748
Target : Arenavirus
Solubility : DMSO: ≥ 150 mg/mL



Biological Activity

ST-193 (ST193) is a potent, selective, broad-spectrum **arenavirus entry inhibitor** with IC₅₀ of 1.6 nM against LASV pseudotypes, targets arenavirus envelope glycoprotein.

ST-193 also inhibits pseudotypes generated with other arenavirus envelopes with IC₅₀ of 0.2-12 nM, but exhibited no antiviral activity against pseudotypes incorporating either the GP from the LASV-related arenavirus LCMV or the unrelated G protein from vesicular stomatitis virus (IC₅₀>10 μM).

ST-193 exhibits antiviral activity against Lassa virus (LASV) in a guinea pig model (i.p.).

References

Larson RA, et al. *J Virol.* 2008 Nov;82(21):10768-75.

York J, et al. *J Virol.* 2008 Nov;82(21):10932-9.

Cashman KA, et al. *Antiviral Res.* 2011 Apr;90(1):70-9.

Dai D, et al. *Bioorg Med Chem Lett.* 2013 Feb 1;23(3):744-9.

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

E-mail: tech@probechem.com