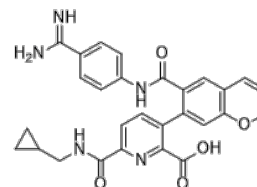


Product Name : Avoralstat
Cat. No. : PC-25823
CAS No. : 918407-35-9
Molecular Formula : C₂₈H₂₇N₅O₅
Molecular Weight : 513.55
Target : SARS-CoV-2 Inhibitors
Solubility : 10 mM in DMSO



Biological Activity

Avoralstat (BCX4161) is a potent and orally active plasma kallikrein inhibitor, also is a potent, selective Transmembrane protease, serine 2 (TMPRSS2) inhibitor (IC₅₀=2.73 nM).

Avoralstat is 18-fold more selective toward TMPRSS2 than other S1 proteases.

Avoralstat inhibits viral entry directed by SARS-CoV-2 spike proteins.

Avoralstat inhibits SARS-CoV-2 pseudovirus entry with EC₅₀ of 2.8 uM.

Avoralstat (30 mg/kg i.p. injection) reduces SARS-CoV-2 infection in mice.

References

Riedl MA, et al. Allergy. 2018 Sep;73(9):1871-1880.

Sun YJ, et al. J Clin Invest. 2021 May 17;131(10):e147973.

Zhang J, et al. Med Chem. 2006 Nov;2(6):545-53.

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

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