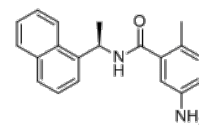


Product Name : GRL-0617
Cat. No. : PC-70199
CAS No. : 1093070-16-6
Molecular Formula : C₂₀H₂₀N₂O
Molecular Weight : 304.393
Target : SARS-CoV
Solubility : 10 mM in DMSO



Biological Activity

GRL-0617 (GRL0617) is a potent, noncovalent SARS-CoV papain-like protease (**PLpro**) inhibitor with IC₅₀ of 0.6 μM, K_i of 0.49 μM.

GRL-0617 inhibits SARS-CoV viral replication in Vero E6 cells with EC₅₀ of 14.5 μM, has no associated cytotoxicity and no inhibition for host DUBs (human deubiquitinating enzymes HAUSP, USP18, UCH-L1, UCH-L3).

References

Ratia K, et al. *Proc Natl Acad Sci U S A*. 2008 Oct 21;105(42):16119-24.

Chaudhuri R, et al. *J Mol Biol*. 2011 Nov 25;414(2):272-88.

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

E-mail: tech@probechem.com