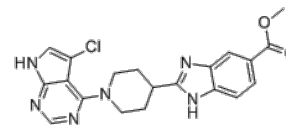


Product Name : R-10015
Cat. No. : PC-60271
CAS No. : 2097938-51-5
Molecular Formula : C₂₀H₁₉ClN₆O₂
Molecular Weight : 410.86
Target : LIM Kinase (LIMK)
Solubility : 10 mM in DMSO



Biological Activity

R-10015 (R10015) is a potent, selective inhibitor of human **LIMK1** with IC₅₀ of 38 nM.

R-10015 exhibits good selectivity, with off-target inhibition of only LRRK2 and p70S6K (≥90% inhibition at 1 μM) and moderate inhibition of PKA (76%), ROCK2 (70%), and FLT3 (68%).

R-10015 blocks **HIV-1** viral DNA synthesis, nuclear migration, and virion release.

R-10015 has broad-spectrum antiviral effect and inhibits multiple viruses, including EBOV, RVFV, VEEV, and HSV-1.

References

Yi F, et al. *J Virol*. 2017 Jun 9;91(13). pii: e02418-16.

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

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