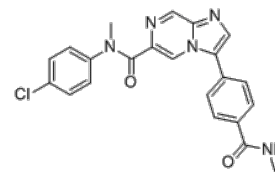


Product Name : KDU691
Cat. No. : PC-61696
CAS No. : 1513879-19-0
Molecular Formula : C₂₂H₁₈ClN₅O₂
Molecular Weight : 419.864
Target : PI4K
Solubility : 10 mM in DMSO



Biological Activity

KDU691 is a potent, selective, orally active parasite **PI4K** inhibitor with IC₅₀ of 1.5 nM for *P. vivax* PI4K (PvPI4K). KDU691 shows IC₅₀ of 58 nM, 36 nM and 196 nM against *P. falciparum* (Pf, boold stages), *P. yoelii* (Py, schizont) and *P. cynomolgi* (Pc, hypnozoites) respectively. KDU691 shows fully protective effect against *P. cynomolgi* sporozoites in animal models.

References

- McNamara CW, et al. *Nature*. 2013 Dec 12;504(7479):248-253.
Zeeman AM, et al. *Antimicrob Agents Chemother*. 2016 Apr 22;60(5):2858-63.
Zou B, et al. *ACS Med Chem Lett*. 2014 Jul 6;5(8):947-50.

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

E-mail: tech@probechem.com