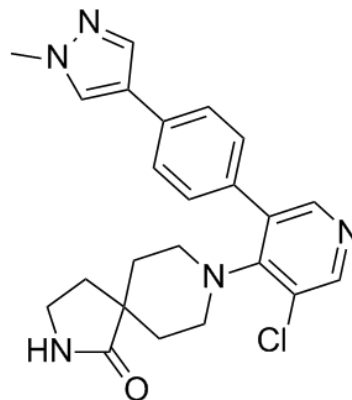


Product Name : CCT251545
Cat. No. : PC-43145
CAS No. : 1661839-45-7
Molecular Formula : C₂₃H₂₄ClN₅O
Molecular Weight : 421.9225
Target : Cyclin-dependent Kinase (CDK)
Solubility : DMSO: ≥ 50 mg/mL



Biological Activity

CCT251545 is a potent, orally bioavailable inhibitor of Wnt signaling with IC₅₀ of 5 nM, also is a potent and selective chemical probe for CDK8 and CDK19 with >100-fold selectivity over 291 other kinases; potently inhibits reporter-based readouts of basal WNT pathway activity in LS174T and SW480 cells in the absence of WNT ligand with IC₅₀ of 23 and 190 nM, respectively; demonstrates potent inhibition of WNT pathway activity in APC mutant human colorectal cancer cell line with IC₅₀ of 35 nM; inhibits phospho-STAT1SER727 levels in SW620 cells with IC₅₀ of 9 nM; demonstrate in vivo activity in WNT-dependent tumors.

References

Mallinger A, et al. J Med Chem. 2015 Feb 26;58(4):1717-35.

Dale T, et al. Nat Chem Biol. 2015 Dec;11(12):973-980.

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

E-mail: tech@probechem.com