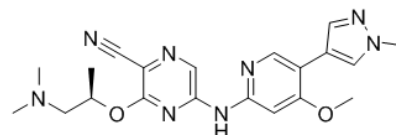


Product Name : CCT-244747
Cat. No. : PC-45429
CAS No. : 1404095-34-6
Molecular Formula : C₂₀H₂₄N₈O₂
Molecular Weight : 408.457
Target : Checkpoint Kinase (Chk)
Solubility : 10 mM in DMSO



Biological Activity

A novel, potent, highly selective, orally active, ATP competitive CHK1 inhibitor with biochemical IC₅₀ of 8 nM; displays 75-fold selectivity against FLT3 and >1,000-fold selectivity against CHK2 and CDK1; inhibits cellular CHK1 activity (IC₅₀=29-170nM), significantly enhances the cytotoxicity of several anticancer drugs and abrogates drug-induced S and G2 arrest in multiple tumor cell lines; enhances antitumor activity of gemcitabine and irinotecan in vivo.

References

- Walton MI, et al. Clin Cancer Res. 2012 Oct 15;18(20):5650-61.
Lainchbury M, et al. J Med Chem. 2012 Nov 26;55(22):10229-40.
Barker HE, et al. Mol Cancer Ther. 2016 Sep;15(9):2042-54.

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

E-mail: tech@probechem.com