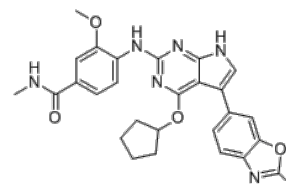


Product Name : CC-671
Cat. No. : PC-61022
CAS No. : 1618658-88-0
Molecular Formula : C₂₈H₂₈N₆O₄
Molecular Weight : 512.57
Target : Monopolar Spindle 1 (Mps1/TTK)
Solubility :



Biological Activity

CC-671 is a potent, selective, dual **TTK (Mps1)/CLK2** inhibitor with IC₅₀ of 5/3 nM, respectively; weakly inhibits DYRK3, DYRK1A, PHKG, DYRK1B, and CLK1 with IC₅₀ of 0.1-0.3 μM, and displays excellent kinase selectivity (7/235 kinases > 80% inhibition at 3 μM); inhibits autophosphorylation of TTK at T686 or phosphorylation of SR protein 75 with IC₅₀ of 0.057 and 0.549 μM in Cal-51 cells; demonstrates strong single agent in vivo efficacy in multiple TNBC xenograft models without significant body weight loss.

Breast Cancer
Preclinical

References

Riggs JR, et al. *J Med Chem*. 2017 Nov 9;60(21):8989-9002.

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

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