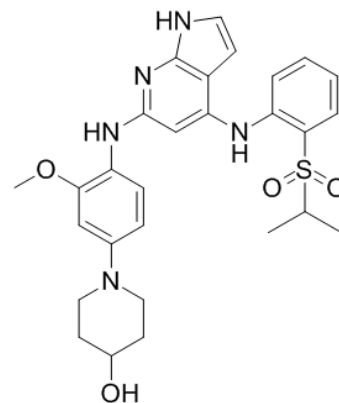


Product Name : Mps1-IN-1
Cat. No. : PC-43476
CAS No. : 1125593-20-5
Molecular Formula : C₂₈H₃₃N₅O₄S
Molecular Weight : 535.66
Target : Monopolar Spindle 1 (Mps1/TTK)
Solubility : DMSO: ≥ 39 mg/mL



Biological Activity

Mps1-IN-1 is a potent, selective, ATP-competitive **Mps1** kinase inhibitor with IC₅₀ and K_d of 367 nM and 27 nM. Mps1-IN-1 also shows high affinity for ALK and LTK (K_d=21 and 39 nM), but shows little or no inhibition on other 352 member kinases.

Mps1-IN-1 induces checkpoint-mediated mitotic arrest in U2OS cells, disrupts recruitment of Mad2 to kinetochores, and reduces the phosphorylation status of Aurora B at threonine-232 (Thr232), suppresses the proliferative capacity of HCT116 cells.

References

Kwiatkowski N, et al. *Nat Chem Biol.* 2010 May;6(5):359-68.

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

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