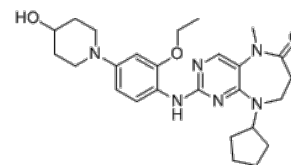


Product Name : Mps1 inhibitor 2
Cat. No. : PC-62240
CAS No. : 1228817-38-6
Molecular Formula : C₂₆H₃₆N₆O₃
Molecular Weight : 480.613
Target : Monopolar Spindle 1 (Mps1/TTK)
Solubility : 10 mM in DMSO



Biological Activity

Mps1 inhibitor 2 (Mps1-IN-2) is a potent, selective **Mps1** kinase inhibitor with IC₅₀ of 145 nM, demonstrates >1,000-fold selectivity over a panel of 352 kinases with the major exceptions of Gak and Plk1.

Mps1-IN-2 treatment leads to defects in Mad1 and Mad2 establishment at unattached kinetochores, decreases Aurora B kinase activity, premature mitotic exit and gross aneuploidy, without any evidence of centrosome duplication defects; decreases cancer cell viability.

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!

E-mail: tech@probechem.com