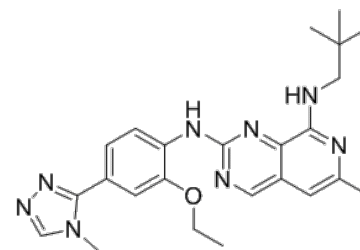

Product Name	: BOS172722
Cat. No.	: PC-35662
CAS No.	: 1578245-44-9
Molecular Formula	: C ₂₄ H ₃₀ N ₈ O
Molecular Weight	: 446.559
Target	: Monopolar Spindle 1 (Mps1/TTK)
Solubility	: 10 mM in DMSO



Biological Activity

BOS172722 (BOS-172722) is a potent, selective **MPS1 kinase (TTK)** inhibitor with biochemical IC₅₀ of 11 nM.

BOS172722 displays 100-fold selectivity over CDK2.

BOS172722 potently inhibits autophosphorylation of ectopically expressed MPS1 in HCT116 cells with IC₅₀ of 63 nM.

BOS172722 demonstrates excellent selectivity against a wide panel of more than 400 kinases as well as a clean CYP and hERG profile.

BOS172722 exhibits robust efficacy in combination with paclitaxel in in vivo models.

References

Woodward HL, et al. *J Med Chem.* 2018 Sep 27;61(18):8226-8240.

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

E-mail: tech@probechem.com
