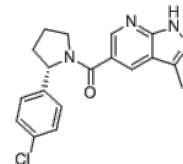


Product Name : MSC2530818
Cat. No. : PC-60298
CAS No. : 1883423-59-3
Molecular Formula : C₁₈H₁₇ClN₄O
Molecular Weight : 340.811
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

MSC2530818 (MSC 2530818, MSC-2530818) is a potent, selective, and orally bioavailable **CDK8** inhibitor with IC₅₀ of 2.6 nM.

MSC2530818 binds to CDK8 and CDK19 with similar affinity (4 nM), and displays good selectivity profile in a 264 kinase panel with exception of GSK3α (IC₅₀=691 nM).

MSC2530818 potently inhibits of phospho-STAT1 S727 in SW620 cells (IC₅₀=8 nM), shows potent inhibition of WNT-dependent transcription in human cancer cell lines.

MSC2530818 demonstrates tumor growth inhibition in an APC mutant SW620 human colorectal carcinoma xenograft model.

References

Czodrowski P, et al. *J Med Chem.* 2016 Oct 27;59(20):9337-9349.

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

E-mail: tech@probechem.com