

Data Sheet

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 Product Name
 :
 MSC2530818

 Cat. No.
 :
 PC-60298

 CAS No.
 :
 1883423-59-3

 Molecular Formula
 :
 C₁₈H₁₇CIN₄O

 Molecular Weight
 :
 340.811

Target : Cyclin-dependent Kinase (CDK)

Solubility : 10 mM in DMSO



Biological Activity

 $MSC2530818 \ (MSC\ 2530818,\ MSC\ -2530818) \ is\ a\ potent,\ selective,\ and\ or ally\ bioavailable\ \textbf{CDK8}\ inhibitor\ with\ IC50\ of\ 2.6\ nM$

MSC2530818 binds to CDK8 and CDK19 with similar affinity (4 nM), and displays good selectivity profile in a 264 kinase panel with exception of GSK3 α (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!

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