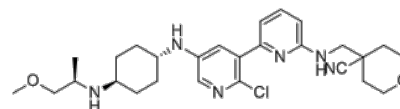


Product Name : NVP-2
Cat. No. : PC-60329
CAS No. : 1263373-43-8
Molecular Formula : C₂₇H₃₇ClN₆O₂
Molecular Weight : 513.083
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

NVP-2 is a potent, selective, ATP-competitive **CDK9** inhibitor with IC₅₀ of <0.514 nM (CDK9/CyclinT). NVP-2 displays excellent kinome selectivity against a panel of 468 kinases, including CDK7 (IC₅₀>10 μM) and CDK13. NVP-2 inhibits proliferation of MOLT4 cells with IC₅₀ of 9 nM, inhibits phosphorylation of RNA Pol II CTD residues serine 2, 5 and 7, induces significant reductions in the mRNA levels of MYB and RUNX1 in MOLT4 cells.

References

Olson CM, et al. *Nat Chem Biol.* 2017 Dec 18. doi: 10.1038/nchembio.2538.

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

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