

Product Name	: NVP-2
Synonyms	: NVP2;NVP 2;CDK9 inhibitor
Cat No.	: M11103
CAS Number	: 1263373-43-8
Molecular Formula	: C ₂₇ H ₃₇ ClN ₆ O ₂
Formula Weight	: 513.08
Chemical Name	: 4-(((2'-chloro-5'-(((1R,4r)-4-(((R)-1-methoxypropan-2-yl)amino)cyclohexyl)amino)-[2,3'-bipyridin]-6-yl)amino)methyl)tetrahydro-2H-pyran-4-carbonitrile
Description	: NVP-2 is apotent, selective, ATP-competitive CDK9 inhibitor with IC ₅₀ of <0.514 nM (CDK9/CyclinT); displays excellent kinome selectivity against a panel of 468 kinases, including CDK7 (IC ₅₀ >10 uM) and CDK13; inhibits proliferation of MOLT4 cells with IC ₅₀ 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.
Pathway	: Angiogenesis
Target	: CDK
Receptor	: CDK
Solubility	: DMSO : ≥ 100 mg/mL 194.91 mM
SMILES	: <chem>N#CC1(CNC2=NC(C3=CC(N[C@H]4CC[C@H](N[C@H](C)COC)CC4)=NC=C3Cl)=CC=C2)CCOCC1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

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