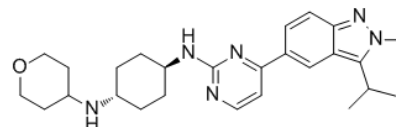


Product Name : LY2857785
Cat. No. : PC-42956
CAS No. : 1619903-54-6
Molecular Formula : C₂₆H₃₆N₆O
Molecular Weight : 448.6036
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

LY2857785 is a potent, reversible and ATP-competitive CDK9 inhibitor with IC₅₀ of 11 nM, also inhibits CDK8 (IC₅₀=16 nM) and weakly inhibits CSK7 (IC₅₀=246 nM); shows good selectivity against a panel of 114 protein kinases; inhibits RNAP II C-terminal domain (CTD) P-Ser2 and CTD P-Ser5 in U2OS cells with IC₅₀ of 89 and 42 nM, dramatically decreases MCL1 protein levels to result in apoptosis in a variety of leukemia and solid tumor cell lines (MV-4-11 cell IC₅₀=40 nM); inhibits RNAP II CTD P-Ser2 in vivo, demonstrates potent antitumor growth efficacy in tumor xenografts.

References

Yin T, et al. Mol Cancer Ther. 2014 Jun;13(6):1442-56.

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

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