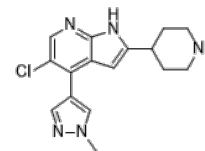


Product Name : YK-2168
Cat. No. : PC-23019
CAS No. : 2571068-74-9
Molecular Formula : C₁₆H₁₈ClN₅
Molecular Weight : 315.81
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



CAS: 2571068-74-9

Biological Activity

YK-2168 is a potent, selective **CDK9** inhibitor with IC₅₀ of 5.9 nM, 45- and 72-fold selective over CDK1 and CDK2. YK-2168 exhibits cell viability potency (IC₅₀=53.4 nM) against MV4-11 cells, inhibits the CDK9 signaling and induced apoptosis.

YK-2168 demonstrated dose dependent anti-tumor effects, resulted in many mouse partial responses (PR) in a mouse gastric cancer SNU16 CDX model.

References

Liu Y, et al. *Bioorg Med Chem Lett.* 2024 Aug 31:129941.

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

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