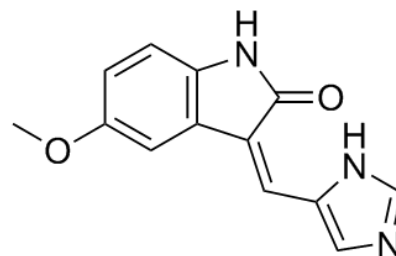


Product Name : SU-9516
Cat. No. : PC-45491
CAS No. : 377090-84-1
Molecular Formula : C₁₃H₁₁N₃O₂
Molecular Weight : 241.2453
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

SU-9516 is a potent, selective **CDK2** inhibitor with IC₅₀ of 22 nM. SU-9516 shows less potent for CDK1/CDK4 (IC₅₀=40/200 nM), no inhibition on PKC, EGFR, p38MAPK. SU-9516 decreases the phosphorylation of pRb, and increases caspase-3 activation.

References

- Lane ME, et al. *Cancer Res.* 2001 Aug 15;61(16):6170-7.
Gao N, et al. *Mol Pharmacol.* 2006 Aug;70(2):645-55.
Sarathy A, et al. *Mol Ther.* 2017 Apr 5. pii: S1525-0016(17)30121-1.

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

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