



Product Information

CDK inhibitor SU9516, Purity ≥98%

Cat. No.: X24-05-ZQ764

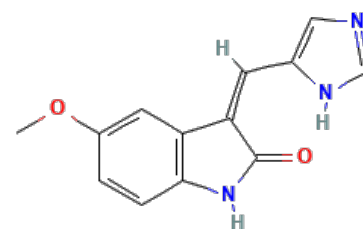
Size: 10 mg; 25 mg; 50 mg

CAS Number: 377090-84-1

Compound CID: 5289419

Synonym: 377090-84-1; SU 9516; SU-9516; CDK inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

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|--------------------------|---|
| Description | SU9516, soluble in DMSO and warmed ethanol and insoluble in water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK1, CDK4, CDK2, and EGFR. |
| Molecular Weight | 241.25 |
| Molecular Formula | C ₁₃ H ₁₁ N ₃ O ₂ |
| Targets | CDK1: 40 nM; CDK4: 200 nM; CDK2: 22 nM; EGFR: >100 μM |
| IUPAC Name | (3Z)-3-(1H-imidazol-5-ylmethylidene)-5-methoxy-1H-indol-2-one |
| InChI | InChI=1S/C13H11N3O2/c1-18-9-2-3-12-10(5-9)11(13(17)16-12)4-8-6-14-7-15-8/h2-7H,1H3,(H,14,15)(H,16,17)/b11-4- |
| InChI Key | QNUKRWAIZMBVCU-WCIBSUBMSA-N |
| Canonical SMILES | COC1=CC2=C(C=C1)NC(=O)C2=CC3=CN=CN3 |
| Isomeric SMILES | COC1=CC\2=C(C=C1)NC(=O)/C2=C\C3=CN=CN3 |
| Form | Lyophilized powder |
| Purity | ≥98% |
| Solubility | DMSO: 44 mg/mL (182.38 mM); Water: Insoluble; Warmed ethanol: 11 mg/mL (45.6 mM) |
| Identity | Confirmed by NMR/HPLC/MS. |
| Stability | The product is stable for three years when stored at the recommended temperature in lyophilized powder. |
| Applications | SU9516 can be used to explore the selective inhibition of CDK2, CDK5, and CDK9 in cancer research. |
| Storage | Store at -20°C. |



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