



Product Information

CDK inhibitor NU6027, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ760

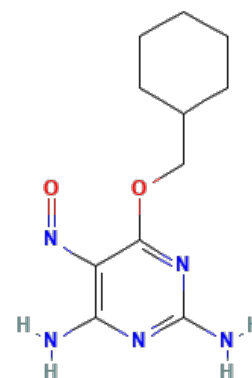
Size: 10 mg; 25 mg; 50 mg

CAS Number: 220036-08-8

Compound CID: 398148

Synonym: 220036-08-8; NU-6027; NU 6027; CDK inhibitor

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



Product Information

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|--------------------------|---|
| Description | NU6027, soluble in DMSO and ethanol and insoluble in water, is an CDK kinase inhibitor that disrupts cell division processes. It targets ATR, CDK1, CDK2, and DNA-PK. |
| Molecular Weight | 251.28 |
| Molecular Formula | C ₁₁ H ₁₇ N ₅ O ₂ |
| Targets | ATR: 0.4 μ M (Ki); CDK1: 2.5 μ M (Ki); CDK2: 1.3 μ M (Ki); DNA-PK: 2.2 μ M (Ki) |
| IUPAC Name | 6-(Cyclohexylmethoxy)-5-nitrosopyrimidine-2,4-diamine |
| InChI | InChI=1S/C11H17N5O2/c12-9-8(16-17)10(15-11(13)14-9)18-6-7-4-2-1-3-5-7/h7H,1-6H2,(H4,12,13,14,15) |
| InChI Key | DGWXOLHKVGDQLN-UHFFFAOYSA-N |
| Canonical SMILES | C1CCC(CC1)COC2=NC(=NC(=C2N=O)N)N |
| Form | Lyophilized powder |
| Purity | $\geq 98\%$ |
| Solubility | DMSO: 47 mg/mL (187.04 mM); Water: Insoluble; Ethanol: 3 mg/mL (11.93 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 | NU6027 can be employed to investigate the inhibition of CDK2 and its implications for cancer therapy. |
| Storage | Store at -20°C. |