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## LEE-011

产品编号: D51294

CAS: 1211441-98-3

分子式: C<sub>23</sub>H<sub>30</sub>N<sub>8</sub>O

纯度: ≥98%

InChi: InChI=1S/C<sub>23</sub>H<sub>30</sub>N<sub>8</sub>O/c1-29(2)22(32)19-13-16-14-26-23(28-21(16)31(19)17-5-3-4-6-17)27-20-8-7-18(15-25-20)30-11-9-24-10-12-30/h7-8,13-15,17,24H,3-6,9-12H<sub>2</sub>,1-2H<sub>3</sub>,11,25,26,27,28

InChi Key: RHXHGRAEPCAFML-UHFFFAOYSA-N

Smiles: CN(C)C(=O)C1=CC2C=NC(NC3C=CC(=CN=3)N3CCNCC3)=NC=2N1C1CCCC1

外观: 固体粉末

作用通路: CDK

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: LEE0-11 is an orally available cyclin-dependent kinase (CDK) inhibitor targeting cyclin D1/CDK4 and cyclin D3/CDK6 cell cycle pathway, with potential antineoplastic activity. CDK4/6 inhibitor LEE011 specifically inhibits CDK4 and 6, thereby inhibiting retinoblastoma (Rb) protein phosphorylation. Inhibition of Rb phosphorylation prevents CDK-mediated G1-S phase transition, thereby arresting the cell cycle in the G1 phase, suppressing DNA synthesis and inhibiting cancer cell growth. Overexpression of CDK4/6, as seen in certain types of cancer, causes cell cycle deregulation.