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## CVT-313

产品编号: D51131

CAS: 199986-75-9

分子式: C<sub>20</sub>H<sub>28</sub>N<sub>6</sub>O<sub>3</sub>

纯度: ≥98%

InChi: InChI=1S/C<sub>20</sub>H<sub>28</sub>N<sub>6</sub>O<sub>3</sub>/c1-14(2)26-13-22-17-18(21-12-15-4-6-16(29-3)7-5-15)23-20(24-19(17)26)25(8-10-27)9-11-28/h4-7,13-14,27-28H,8-12H<sub>2</sub>,1-3H<sub>3</sub>, (H,21,23,24)

InChi Key: NQVIIUBWMBHLOZ-UHFFFAOYSA-N

Smiles: COC1C=CC(CNC2N=C(N=C3C=2N=CN3C(C)C)N(CCO)CCO)=CC=1

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: CVT-313 is a potent and selective inhibitor of CDK2 that prevents neointimal proliferation. CVT-313 has an IC<sub>50</sub> of 0.5 microM in vitro. Inhibition was competitive with respect to ATP (K<sub>i</sub> = 95 nM), and selective CVT-313 had no effect on other, nonrelated ATP-dependent serine/threonine kinases. The growth of mouse, rat, and human cells in culture was also inhibited by CVT-313 with the IC<sub>50</sub> for growth arrest ranging from 1.25 to 20 microM. CVT-313 is a promising candidate for evaluation in other disease models related to aberrant cell proliferation.