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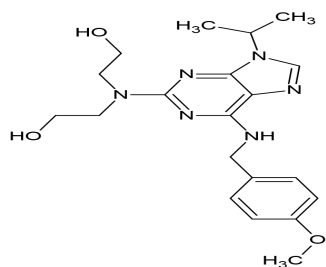
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## Cdk2 Inhibitor III, CVT-313

**ALTERNATE NAME:** 2-[2-hydroxyethyl-[6-[(4-methoxyphenyl)methylamino]-9-propan-2-ylpurin-2-yl]amino]ethanol; CVT-313

**CATALOG #:** AUR11360

### STRUCTURE:



**MOLECULAR FORMULA:** C<sub>20</sub>H<sub>28</sub>N<sub>6</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 400.47

**CAS#:** 199986-75-9

**APPEARANCE:** Off-white solid

**SOLUBILITY:** DMSO (~10 mg/ml)

**PURITY:** ≥95% by HPLC

**STORAGE:** Store at 2-8°C. Protect from air and light

**DESCRIPTION:** CVT-313 is a potent, cell-permeable, selective, reversible, and ATP-competitive inhibitor of Cdk2 (IC<sub>50</sub> = 0.5 μM for Cdk2/A and Cdk2/E; 4.2 μM for Cdk1/B; 215 μM for Cdk4/D1). Inhibits other kinases only at much higher concentrations (IC<sub>50</sub> >1.25 mM for MAPK, PKA, and PKC).

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure