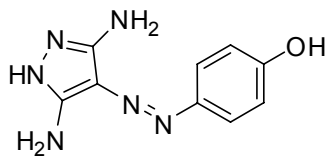


4-(3,5-Diamino-1H-pyrazol-4-ylazo)-phenol - CDK2-cyclin E inhibitor



Chemical Formula: C₉H₁₀N₆O
Molecular Weight: 218.22

Ref.: Krystof et al. **4-Arylazo-3,5-diamino-1H-pyrazole CDK Inhibitors: SAR Study, Crystal Structure in Complex with CDK2, Selectivity, and Cellular Effects.** *Journal of Medicinal Chemistry* (2006), 49, 6500-6509

The most potent inhibitor, **4-[(3,5-diamino-1H-pyrazol-4-yl)diazanyl]phenol**, reduced the frequency of S-phase cells of the cancer cell line HT-29 in antiproliferation assays. Further observed cellular effects included decreased phosphorylation of the retinoblastoma protein and the C-terminal domain of RNA polymerase II, inhibition of mRNA synthesis, and induction of the tumor suppressor protein p53, all of which are consistent with inhibition of CDK9.

OTAVA catolg no.	CAS RN	Amount	Delivery time	Purity
7020402317	140651-18-9	1 mg 5 mg 25 mg 1 gram	In-stock In-stock In-stock In-stock	≥ 95% by HPLC, ¹³ C NMR & ¹ H NMR