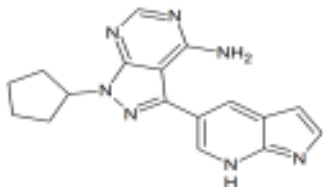


# PP121

**ALTERNATE NAME:** PP-121  
1-cyclopentyl-3-(1H-pyrrolo[2,3-b]pyridin-5-yl)pyrazolo[3,4-d]pyrimidin-4-amine

**CATALOG #:** B2523-5 5 mg  
B2523-25 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>17</sub>H<sub>17</sub>N<sub>7</sub>

**MOLECULAR WEIGHT:** 319.37

**CAS NUMBER:** 1092788-83-4

**APPEARANCE:** Crystalline solid

**PURITY:** ≥98% by HPLC

**SOLUBILITY:** >20 mg/ml DMSO

**DESCRIPTION:** PP121 is a dual inhibitor of tyrosine and phosphoinositide kinases. PP121 inhibits both tyrosine kinases and PI3-Ks but not serine-threonine kinases. It potently inhibits p110α, p110β, p110γ, p110δ, DNA-PK and mTOR with IC50 values of 52nM, 1.4μM, 1.1μM, 150nM, 60nM and 10nM, respectively. For the tyrosine kinases, PP121 displays inhibition with IC50 values of 21nM, 4nM, 10nM, 55nM, 550nM, 220nM and <1nM for Ab1, Hck, Src, VEGFR2, EGFR, EphB4 and PDGFR, respectively.

**STORAGE TEMPERATURE:** -20°C. Protect from light

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

**RELATED PRODUCTS:**

TGX-221 (1781)  
PI-103 (1728)  
Imatinib, Free base (2141)  
LY 294002 (1667)  
Neratinib (2023)  
Vatalanib Dihydrochloride (2025)  
Masitinib (2007)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*