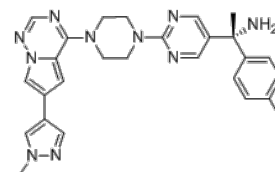


**Product Name** : Avapritinib  
**Cat. No.** : PC-62100  
**CAS No.** : 1703793-34-3  
**Molecular Formula** : C<sub>26</sub>H<sub>27</sub>FN<sub>10</sub>  
**Molecular Weight** : 498.57  
**Target** : c-Kit  
**Solubility** : 10 mM in DMSO



## Biological Activity

Avapritinib (BLU-285) is a potent and highly selective inhibitor of mutant **KIT** and **PDGFRα** with IC<sub>50</sub> of 0.6, 0.27 and 0.24 nM for KIT del557-558, KIT D816V and PDGFRA D842V, respectively.

Avapritinib (BLU-285) displays weak inhibition against WT KIT with IC<sub>50</sub> of 73 nM, >150-fold more potent on KIT D816V than several important kinase antitargets such as VEGFR2, SRC and FLT3.

Avapritinib (BLU-285) inhibits other well-characterized disease-driving KIT mutants both in vitro and in vivo in preclinical models.

Avapritinib (BLU-285) demonstrates marked activity in patients with diseases associated with KIT and PDGFRA (GIST) activation loop mutations.

## References

**Cancer Discov.** 2017 Dec 12. doi: 10.1158/2159-8290.

Evans EK, et al. **Sci Transl Med.** 2017 Nov 1;9(414). pii: eaao1690.

**Cancer Discov.** 2018 Jan;8(1):OF20. doi: 10.1158/2159-8290.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com