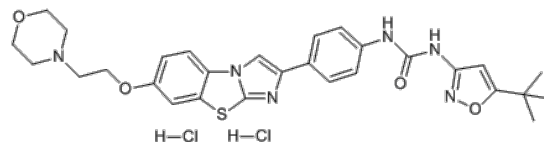


**Product Name** : Quizartinib hydrochloride  
**Cat. No.** : PC-50013  
**CAS No.** : 1132827-21-4  
**Molecular Formula** : C<sub>29</sub>H<sub>34</sub>Cl<sub>2</sub>N<sub>6</sub>O<sub>4</sub>S  
**Molecular Weight** : 633.589  
**Target** : FLT3  
**Solubility** :



## Biological Activity

Quizartinib (AC220) is a potent, selective, second-generation FLT3 inhibitor with K<sub>d</sub> of 1.6 nM, inhibits Wt FLT3 and FLT3-ITD autophosphorylation in MV4-11cell with IC<sub>50</sub> of 4.2 and 1.1 nM, respectively; displays excellent kinase selectivity in a KinomeScan panel of 402 kinase binding assays, also potently inhibits PDGFRA, PDGFRB and RET; inhibits MV4-11 cell proliferation with IC<sub>50</sub> of 0.56 nM, demonstrates antitumor efficacy in the MV4-11 tumor xenograft model.

Blood Cancer

Phase 3 Clinical

## References

Zarrinkar PP, et al. Blood. 2009 Oct 1;114(14):2984-92.

Chao Q, et al. J Med Chem. 2009 Dec 10;52(23):7808-16.

Pratz KW, et al. Blood. 2010 Feb 18;115(7):1425-32.

Gunawardane RN, et al. Mol Cancer Ther. 2013 Apr;12(4):438-47.

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

E-mail: tech@probechem.com