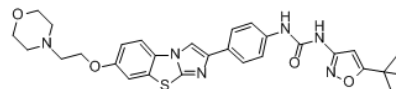


Product Name : Quizartinib
Cat. No. : PC-43312
CAS No. : 950769-58-1
Molecular Formula : C₂₉H₃₂N₆O₄S
Molecular Weight : 560.6672
Target : FLT3
Solubility : DMSO: ≥ 33 mg/mL



Biological Activity

Quizartinib (AC220) is a potent, selective, second-generation **FLT3** inhibitor with K_d of 1.6 nM, inhibits Wt FLT3 and FLT3-ITD autophosphorylation in MV4-11cell with IC₅₀ of 4.2 and 1.1 nM, respectively.

Quizartinib (AC220) displays excellent kinase selectivity in a KinomeScan panel of 402 kinase binding assays, also potently inhibits PDGFRA, PDGFRB and RET.

Quizartinib (AC220) inhibits MV4-11 cell proliferation with IC₅₀ of 0.56 nM, demonstrates antitumor efficacy in the MV4-11 tumor xenograft model.

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