

Product Name : Quizartinib hydrochloride

Synonyms : AC-220;AC220

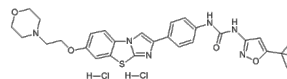
Cat No. : M10463

CAS Number : 1132827-21-4

Molecular Formula : C₂₉H₃₄Cl₂N₆O₄S

Formula Weight : 633.59

Chemical Name : N-(5-tert-butyl-isoxazol-3-yl)-N'-(4-[7-(2-morpholin-4-yl-ethoxy)imidazo[2,1-b][1,3]benzothiazol-2-yl]phenyl)urea dihydrochloride



Description : 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 MV4-11 cell with IC₅₀ 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 IC₅₀ of 0.56 nM, demonstrates antitumor efficacy in the MV4-11 tumor xenograft model. Blood Cancer Phase 3 Clinical

Pathway : Tyrosine Kinase

Target : FLT3

Receptor : FLT3

Solubility : —

SMILES : CC(C)(C)C1=CC(=NO1)NC(=O)NC2=CC=C(C=C2)C3=CN4C5=C(C=C(C=C5)OCCN6CCOCC6)SC4=N3.Cl.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Zarrinkar PP, et al. Blood. 2009 Oct 1;114(14):2984-92. | 2. Chao Q, et al. J Med Chem. 2009 Dec 10;52(23):7808-16. | 3. Pratz KW, et al. Blood. 2010 Feb 18;115(7):1425-32. | 4. Gunawardane RN, et al. Mol Cancer Ther. 2013 Apr;12(4):438-47.