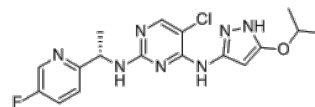


Product Name : AZ-23
Cat. No. : PC-63210
CAS No. : 915720-21-7
Molecular Formula : C₁₇H₁₉ClFN₇O
Molecular Weight : 391.83
Target : Trk Receptor
Solubility : 10 mM in DMSO



Biological Activity

AZ-23 is a potent, selective, orally bioavailable **Trk kinase** inhibitor with IC₅₀ of 2 and 8 nM for TrkA and TrkB, respectively. AZ-23 displays >10-fold specificity for TrkA versus FGFR1 and >25-fold over a broad panel of kinases. AZ-23 potently inhibits NGF-induced TrkA/B/C phosphorylation in NIH-3T3 cells with IC₅₀ of 2 nM, 25-fold window of selectivity versus FGFR, Flt3, Ret, and Lck kinases. AZ-23 exhibits significant tumor growth inhibition in Trk-expressing xenograft model of neuroblastoma.

References

- Thress K, et al. Mol Cancer Ther. 2009 Jul;8(7):1818-27.
Wang T, et al. J Med Chem. 2008 Aug 14;51(15):4672-84.
Chen S, et al. Cell Oncol (Dordr). 2018 Feb;41(1):93-101.

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

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