Data Sheet

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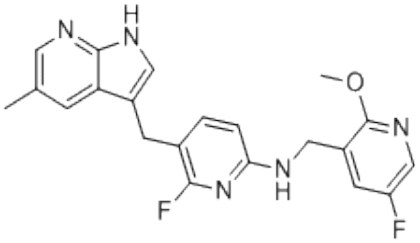
Product Name :PLX5622
Cat.No. :URK-V853
CAS No. :1303420-67-8
Molecular Formula :$C_{21}H_{19}F_2N_5O$
Molecular Weight :395.414
Target :c-Fms (CSF1R)
Solubility :



Biological Activity

PLX5622 (PLX-5622) is a potent, selective, orally active inhibitor of CSF1R tyrosine kinase (c-Fms) activity with Ki of 5.9 nM, 60-fold less potency against KIT; dispalys least 50-fold selectivity over 4 related kinases, and over 100-fold selectivity against a panel of 230 kinases; prevents microglial plaque association and improves cognition in 3xTg-AD mice, also depletes microglia and alleviates the catatonic symptoms of Cnp mutants.
Rheumatoid Arthritis
Phase 1 Discontinued

References

1. Janova H, et al. J Clin Invest. 2018 Feb 1;128(2):734-745.
2. Spangenberg E, et al. Nat Commun. 2019 Aug 21;10(1):3758.
3. Dagher NN, et al. J Neuroinflammation. 2015 Aug 1;12:139.
4. Valdearcos M, et al. Cell Rep. 2014 Dec 24;9(6):2124-38.

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