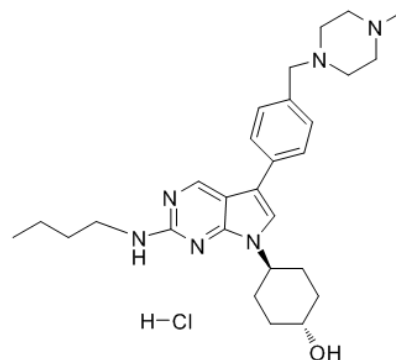


Product Name : UNC2025 hydrochloride
Cat. No. : PC-42994
CAS No. :
Molecular Formula : C₂₈H₄₁ClN₆O
Molecular Weight : 513.1177
Target : TAM Receptor (Tyro3-Axl-Mer)
Solubility :



Biological Activity

UNC2025 is a potent, orally bioavailable Mer/FLT3 dual inhibitor with IC₅₀ of 0.74/0.8 nM, 700-fold less active against Met compared to Mer; also potently inhibits Axl and Tyro3 (IC₅₀=14 and 17 nM) in vitro; inhibits Mer phosphorylation (IC₅₀=2.7 nM) in 697 B-ALL cells, decreases phosphorylation of Flt3 (IC₅₀=14 nM) in Flt3-ITD positive Molm-14 AML cells, effectively inhibits phosphorylation of Axl (IC₅₀=122 nM) and Tyro3 (IC₅₀=301 nM), 40- to 100-fold selectivity for Mer over Axl and Tyro3; inhibits Mer phosphorylation in bone marrow leukemia cells in vivo.

References

- Zhang W, et al. *J Med Chem.* 2014 Aug 28;57(16):7031-41.
Cummings CT, et al. *Mol Cancer Ther.* 2015 Sep;14(9):2014-22.
DeRyckere D, et al. *Clin Cancer Res.* 2017 Mar 15;23(6):1481-1492.
Branchford BR, et al. *J Thromb Haemost.* 2018 Feb;16(2):352-363.

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

E-mail: tech@probechem.com