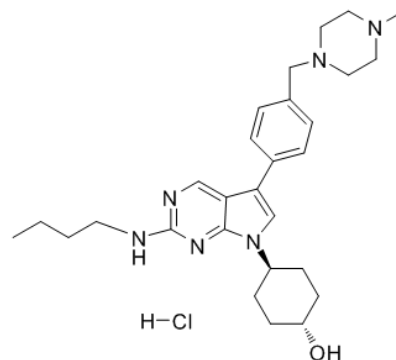


Product Name : UNC2025 hydrochloride
Cat. No. : PC-42994
CAS No. : 2070015-17-5
Molecular Formula : C₂₈H₄₁ClN₆O
Molecular Weight : 513.1177
Target : TAM Receptor (Tyro3-Axl-Mer)
Solubility :



Biological Activity

UNC2025 hydrochloride 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.

UNC2025 also potently inhibits Axl and Tyro3 (IC₅₀=14 and 17 nM) in vitro.

UNC2025 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.

UNC2025 inhibits Mer phosphorylation in bone marrow leukemia cells in vivo.

References

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

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