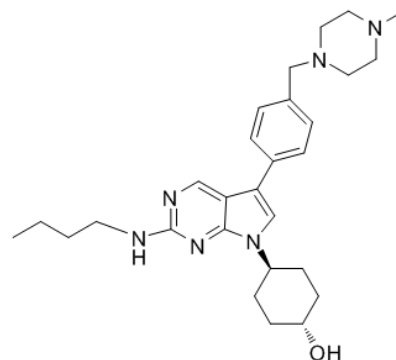


Product Name : UNC2025
Cat. No. : PC-42993
CAS No. : 1429881-91-3
Molecular Formula : C₂₈H₄₀N₆O
Molecular Weight : 476.6568
Target : TAM Receptor (Tyro3-Axl-Mer)
Solubility : DMSO: 33.33 mg/mL; H₂O: < 4.9 mg/mL



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.

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.

UNC2025 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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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!

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