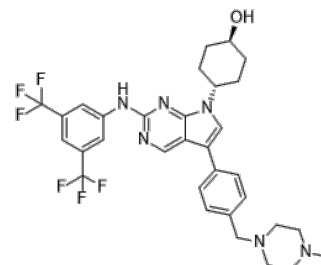


Product Name : UNC9426
Cat. No. : PC-24218
CAS No. : 3051784-94-9
Molecular Formula : C₃₂H₃₄F₆N₆O
Molecular Weight : 632.66
Target : TAM Receptor (Tyro3-Axl-Mer)
Solubility : 10 mM in DMSO



CAS: 3051784-94-9

Biological Activity

UNC9426 is a potent, specific **TYRO3** inhibitor with IC₅₀ of 2.1 nM, has 276- and 90-fold selectivity over MERTK and AXL respectively.

UNC9426 is highly selective and TYRO3 is the only kinase that was completely inhibited at 1 μM against a 77-kinase panel. UNC9426 binds tightly to TYRO3 with an EC₅₀ of 89.8 nM in NanoBRET assays, no obvious binding to MERTK or AXL (EC₅₀ > 10 μM).

UNC9426 inhibits human platelet aggregation, reduces the expression of human platelet surface activation markers, without increasing bleeding time and blocked TYRO3-dependent functions in tumor cells and macrophages.

References

Kong D, et al. *J Med Chem*. 2025 Mar 11. doi: 10.1021/acs.jmedchem.5c00048.

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

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