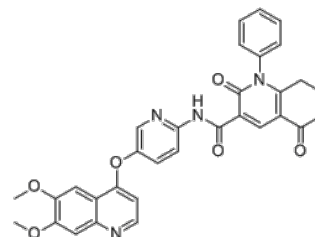


Product Name : ONO-7475
Cat. No. : PC-73130
CAS No. : 1646839-59-9
Molecular Formula : C₃₂H₂₆N₄O₆
Molecular Weight : 562.582
Target : TAM Receptor (Tyro3-Axl-Mer)
Solubility : 10 mM in DMSO



Biological Activity

ONO-7475 (ONO7475) is a potent inhibitor of the TAM receptor tyrosine kinase family (**Axl** IC₅₀=0.7 nM), inhibits the phosphorylation of AXL and Mer, suppresses the growth of AML with FLT3 mutations.

ONO-7475 sensitizes AXL-expressing EGFR-mutant NSCLC cells to the EGFR-TKIs osimertinib and dacomitinib.

ONO-7475 suppresses the emergence and maintenance of EGFR-TKI-tolerant cells, suppresses the phosphorylation of AKT, p70S6K, ERK, as well as EGFR.

Combination therapy of ONO-7475 and osimertinib delays regrowth of cell line-derived xenograft tumors.

Osimertinib-acquired resistant cells are insensitive to combined therapy with osimertinib and ONO-7475.

References

Okura N, et al. Clin Cancer Res. 2020 May 1;26(9):2244-2256.

Ruvolo PP, et al. Haematologica. 2017 Dec;102(12):2048-2057.

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

E-mail: tech@probechem.com