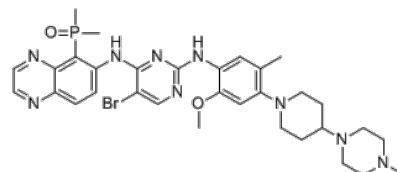


Product Name : TQB3804
Cat. No. : PC-38032
CAS No. : 2267329-76-8
Molecular Formula : C₃₂H₄₁BrN₉O₂P
Molecular Weight : 694.62
Target : EGFR
Solubility : 10 mM in DMSO



1. Rui-Fang Dong, et al. *Pharmacol Res.* 2021 May;167:105583.

Biological Activity

TQB3804 (EGFR-IN-7) is a selective, potent, 3rd generation **EGFR C797S** inhibitor with IC₅₀ of 1.07 nM and 0.13 nM for EGFR (WT) and EGFR (mutant C797S/T790M/L858R) respectively.

TQB3804 displays potent enzymatic activities for EGFRd746-750/T790M/C797S, EGFR L858R/T790M/C797S, EGFRd746-750/T790M, and EGFR L858R/T790M with IC₅₀ of 0.46, 0.13, 0.26, and 0.19 nM respectively, and has similar enzymatic activity for EGFRWT (IC₅₀=1.07 nM) to Osimertinib.

TQB3804 shows expected anti-proliferative activity Ba/F3 (EGFRd746-750/T790M/C797S), NCI-H1975 (EGFRd746-750/T790M/C797S), PC9 (EGFRd746-750), and A431 (EGFRWT), with IC₅₀ of 26.8, 163, 45, and 147 nM, respectively.

TQB3804 inhibits phosphorylation for EGFR in Ba/F3 (EGFRd746-750/T790M/C797S) cell line with IC₅₀ of 18.5 nM.

TQB3804 significantly inhibits tumor growth in the triple mutant Ba/F3 (EGFRd746-750/T790M/C797S), NCI-H1975 (EGFRd746-750/T790M/C797S), and PC9 (EGFRd746-750/T790M/C797S) CDX models.

References

