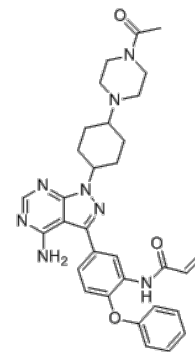


Product Name : TX1-85-1
Cat. No. : PC-38536
CAS No. : 1603845-32-4
Molecular Formula : C₃₂H₃₆N₈O₃
Molecular Weight : 580.693
Target : EGFR
Solubility : 10 mM in DMSO



Biological Activity

TX1-85-1 is a potent, selective, irreversible and covalent inhibitor of pseudokinase Her3 (**ErbB3**) with IC₅₀ of 23 nM in FRET-based binding assay.

TX1-85-1 covalently modifies Cys721 of Her3 in vitro and in cells.

TX1-85-1 is insufficient to inactivate the Her3/PI3K/AKT pathway explaining lack of growth inhibition for Her3 dependent cells.

TX1-85-1 arrested cell proliferation, inhibited the in vitro tumorigenicity, and lead to loss of stemness in the conversion of induced pluripotent stem cells (iPSCs) into cancer stem cells (CSCs).

References

Xie T, et al. *Nat Chem Biol*. 2014 Dec;10(12):1006-12.

Lim SM, et al. *Bioorg Med Chem Lett*. 2015 Aug 15;25(16):3382-9.

Hassan G, et al. *Sci Rep*. 2022 Feb 17;12(1):2711.

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

E-mail: tech@probechem.com