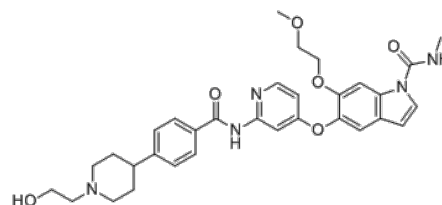


Product Name : E7090
Cat. No. : PC-35144
CAS No. : 1622204-21-0
Molecular Formula : C₃₂H₃₇N₅O₆
Molecular Weight : 587.677
Target : FGFR
Solubility : 10 mM in DMSO



Biological Activity

E7090 (Tasurgratinib) is a potent, selective, orally available inhibitor of **FGFR1**, -2, and -3 with IC₅₀ of 0.71, 0.50 and 1.2 nM, weakly inhibits FGFR4 (IC₅₀=120 nM).

E7090 inhibits only 3 tyrosine kinases (RET, DDR2, and FLT1) with IC₅₀ lower than 10 nM among the 93 kinases, also potently inhibits mutant FGFR3 (K650E and K650M, IC₅₀=3.1 and 16 nM).

E7090 inhibits FGFR phosphorylation and cell proliferation of SNU-16 cells with IC₅₀ of 1.2 and 5.7 nM, respectively.

E7090 shows selective antiproliferative activity against cancer cell lines harboring FGFR abnormalities.

E7090 exhibits antitumor activity and inhibits FGFR signaling in a mouse xenograft model of SNU-16 human gastric cancer.

References

Watanabe Miyano S, et al. *Mol Cancer Ther.* 2016 Nov;15(11):2630-2639.

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

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