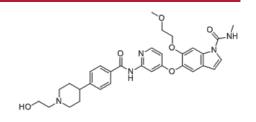


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Product Name	:	E7090
Cat. No.	:	PC-35144
CAS No.	:	1622204-21-0
Molecular Formula	:	C <sub>32</sub> H <sub>37</sub> N <sub>5</sub> O <sub>6</sub>
Molecular Weight	:	587.677
Target	:	FGFR
Solubility	:	10 mM in DMSO

## **Data Sheet**

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## **Biological Activity**

E7090 (Tasurgratinib) is a potent, selective, orally available inhibitor of **FGFR**1, -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! E-mail: tech@probechem.com