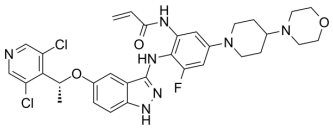
FGFR4-IN-8

Cat. No.:	HY-145836
CAS No.:	2765240-52-4
Molecular Formula:	$C_{32}H_{34}Cl_2FN_7O_3$
Molecular Weight:	654.56
Target:	FGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

FGFR4-IN-8 (Compound 7v) is an ATP-competitive, highly selective covalent inhibitor of wild-type and gatekeeper mutant FGFR4. FGFR4-IN-8 exhibits excellent potency against FGFR4, $FGFR4^{V550L}$, $FGFR4^{V550M}$ and $FGFR4^{C552S}$ with IC_{50}s of 0.5, 0.25, 1.6, 931 nM, respectively. FGFR4-IN-8 exhibits potent antiproliferative activity against Hep3B hepatocellular carcinoma cells with the IC_{50} value of 29 nM. FGFR4-IN-8 demonstrates modest in vivo antitumor efficacy in nude mice bearing the Huh-7 xenograft model[1].

REFERENCES

[1]. Min Shao, et al. Design, Synthesis, and Biological Evaluation of Aminoindazole Derivatives as Highly Selective Covalent Inhibitors of Wild-Type and Gatekeeper Mutant FGFR4. J Med Chem. 2022 Mar 24;65(6):5113-5133.

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