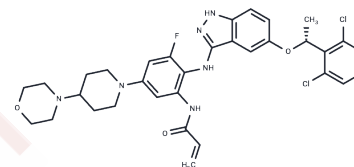


## FGFR4-IN-8

## Chemical Properties

CAS No. :	2765240-52-4
Formula:	C32H34Cl2FN7O3
Molecular Weight:	654.56
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	FGFR4-IN-8 (Compound 7v) is an ATP-competitive inhibitor that covalently and selectively targets both wild-type and gatekeeper mutant forms of FGFR4. It exhibits inhibitory potency with IC50 values of 0.5 nM for FGFR4, 0.25 nM for FGFR4 V550L, 1.6 nM for FGFR4 V550M, and 931 nM for FGFR4 C552S. Additionally, FGFR4-IN-8 shows potent antiproliferative effects on Hep3B hepatocellular carcinoma cells (IC50 of 29 nM) and demonstrates moderate antitumor efficacy in vivo in a Huh-7 xenograft model in nude mice [1].
Targets(IC50)	FGFR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5277 mL	7.6387 mL	15.2774 mL
5 mM	0.3055 mL	1.5277 mL	3.0555 mL
10 mM	0.1528 mL	0.7639 mL	1.5277 mL
50 mM	0.0306 mL	0.1528 mL	0.3055 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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