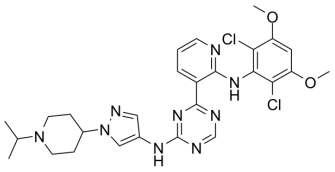
FGFR-IN-8

Cat. No.:	HY-150652
CAS No.:	2640217-64-5
Molecular Formula:	$C_{27}H_{31}Cl_2N_9O_2$
Molecular Weight:	584.5
Target:	FGFR; Apoptosis
Pathway:	Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FGFR-IN-8 (Compound 17a) is a highly potent and orally active panFGFR inhibitor against wild-type and mutant FGFRs. FGFR-IN-8 shows inhibition with IC_{50} values of <0.5, 189.1, <0.5, 22.6, <0.5 and 7.30 nM against FGFR1, V564F-FGFR2, N549H-FGFR2, V555M-FGFR3, FGFR3 and FGFR4, respectively. GFR-IN-8 induces cancer cell apoptosis and shows anticancer activities[1].			
IC_{50} & Target	FGFR1 <0.5 nM (IC_{50})	N549H-FGFR2 <0.5 nM (IC_{50})	FGFR3 <0.5 nM (IC_{50})	K650E-FGFR3 <0.5 nM (IC_{50})
	K650M-FGFR3 4.8 nM (IC_{50})	FGFR4 7.30 nM (IC_{50})	V555M-FGFR3 22.6 nM (IC_{50})	V564F-FGFR2 189.1 nM (IC_{50})
	V561M-FGFR1 262.5 nM (IC_{50})			

REFERENCES

[1]. Ryu S, et al. Identification of Pyridinyltriazine Derivatives as Potent panFGFR Inhibitors against Gatekeeper Mutants for Overcoming Drug Resistance. J Med Chem. 2022 Apr 28;65(8):6017-6038.

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