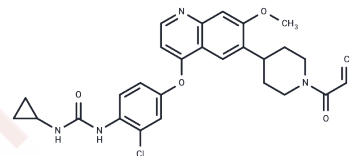


FGFR-IN-11

Chemical Properties

CAS No. :	2658488-68-5
Formula:	C ₂₈ H ₂₉ ClN ₄ O ₄
Molecular Weight:	521.01
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	FGFR-IN-11 (compound I-5) is an orally active, covalent inhibitor of FGFR, with IC ₅₀ values of 9.9 nM (FGFR1), 3.1 nM (FGFR2), 16 nM (FGFR3), and 1.8 nM (FGFR4). This compound demonstrates nanomolar potency in inhibiting the proliferation of various cancer cells and significantly hinders tumor growth in xenograft mouse models [1].
Targets(IC ₅₀)	FGFR
In vitro	FGFR-IN-11, at concentrations ranging from 0.3 nM to 20 μM over a 72-hour period, effectively inhibits the growth of various cancer cell lines [1].
In vivo	FGFR-IN-11, administered orally at a dose of 60 mg/kg daily for 21 days, significantly inhibited tumor growth in female nude mouse xenograft models of Huh-7 or NCI-H1581 without affecting the mouse body weight. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9193 mL	9.5967 mL	19.1935 mL
5 mM	0.3839 mL	1.9193 mL	3.8387 mL
10 mM	0.1919 mL	0.9597 mL	1.9193 mL
50 mM	0.0384 mL	0.1919 mL	0.3839 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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