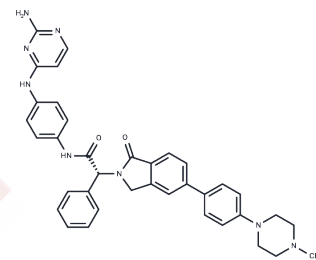


EGFR-IN-97

Chemical Properties

CAS No. :	3020681-05-1
Formula:	C37H36N8O2
Molecular Weight:	624.73
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	EGFR-IN-97 (compound 6q), an EGFR inhibitor, demonstrates effectiveness in inhibiting Ba/F3-EGFR L858R/T790M/C797S and Ba/F3-EGFR Del19/T790M/C797S cells, exhibiting IC ₅₀ values of 0.42 μM and 0.41 μM, respectively. Additionally, at a concentration of 0.8 μM, EGFR-IN-97 is capable of inducing apoptosis in NCI-H1975-EGFR L858R/T790M/C797S cells [1].
Targets(IC ₅₀)	Apoptosis,EGFR
In vitro	EGFR-IN-97 (compound 6q) demonstrates remarkable efficacy against the mutant NSCLC cell line NCI-H1975-EGFR L858R/T790M/C797S, with an IC ₅₀ value of 0.82 μM, surpassing the performance of osimertinib (IC ₅₀ = 2.94 μM), JBJ-04-125-02 (IC ₅₀ = 3.66 μM), and the combination of JBJ-04-125-02 and osimertinib (IC ₅₀ = 1.25 μM) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6007 mL	8.0035 mL	16.0069 mL
5 mM	0.3201 mL	1.6007 mL	3.2014 mL
10 mM	0.1601 mL	0.8003 mL	1.6007 mL
50 mM	0.032 mL	0.1601 mL	0.3201 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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