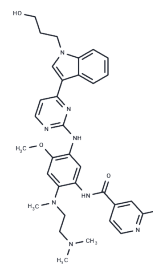


EGFR-IN-61

Chemical Properties

CAS No. :	2890261-81-9
Formula:	C ₃₃ H ₃₇ ClN ₈ O ₃
Molecular Weight:	629.15
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-61 (compound 22a), a potent EGFR kinase inhibitor, exhibits IC ₅₀ values of 42 nM for L858R/T790M, 137 nM for L858R/T790M/C797S, and 743 nM for WT. Additionally, it demonstrates antiproliferative activity against the A549 and H1975 cell lines, with IC ₅₀ values of 2.14 μM and 1.82 μM, respectively [1].
Targets(IC ₅₀)	EGFR
In vitro	EGFR-IN-61 (compound 22a) demonstrates superior selectivity for the L858R/T790M/C797S EGFR kinase mutant over the wild type, with a selectivity ratio of 5.4 [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5894 mL	7.9472 mL	15.8945 mL
5 mM	0.3179 mL	1.5894 mL	3.1789 mL
10 mM	0.1589 mL	0.7947 mL	1.5894 mL
50 mM	0.0318 mL	0.1589 mL	0.3179 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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