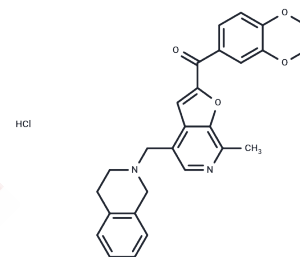


EGFR-IN-139

Chemical Properties

CAS No. :	1574321-31-5
Formula:	C ₂₇ H ₂₅ ClN ₂ O ₄
Molecular Weight:	476.951
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	EGFR-IN-139 (compound PD 18) is an EGFR inhibitor with IC ₅₀ values of 12.88 nM (wild type), 10.84 nM (L858R/T790M), and 42.68 nM (L858R/T790M/C797S). It demonstrates significant anticancer activity against the A549 and H1975 cancer cell lines, which express high levels of EGFR. EGFR-IN-139 exhibits strong selectivity for cancer cells and can be utilized in research on non-small cell lung cancer (NSCLC).
Targets(IC ₅₀)	EGFR
In vitro	EGFR-IN-139 exhibits an inhibition rate of 90-100% for wild-type EGFR and 65-75% for L858R/T790M EGFR at a concentration of 1µM over 2 hours [1]. Additionally, when applied over 72 hours at concentrations ranging from 0-100 µM, EGFR-IN-139 inhibits A549, H1975, and Vero cells with IC ₅₀ values of 28.23, 29.46, and 180.9 µM, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0967 mL	10.4833 mL	20.9666 mL
5 mM	0.4193 mL	2.0967 mL	4.1933 mL
10 mM	0.2097 mL	1.0483 mL	2.0967 mL
50 mM	0.0419 mL	0.2097 mL	0.4193 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

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481