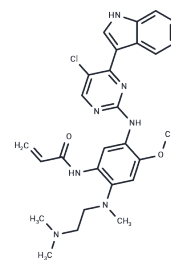


Mutant EGFR inhibitor

Chemical Properties

CAS No. :	1421373-62-7
Formula:	C ₂₇ H ₃₀ ClN ₇ O ₂
Molecular Weight:	520.03
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Mutant EGFR inhibitor is a selective and potent Mutated EGFR inhibitor, inhibits L858R activating mutant, the Exon19 deletion activating mutant and the T790M resistance mutant.
Targets(IC50)	EGFR
Kinase Assay	PLK1 Flash Plate Assay: The human PLK1 enzymatic reaction totaling 30μL contained 50 mM Tris-HCl (pH 8.0), 10 mM MgCl ₂ , 0.02% BSA, 10% glycerol, 1 mM DTT, 100 mM NaCl, 3.3% DMSO, 8 μM ATP, 0.2μCi [γ- 33 P]-ATP, 4 μM peptide substrate (Biotin-AHX-LDETGHLDSSGLQEVHLA-CONH ₂), and 10 nM recombinant human PLK1[2-369]T210D. The enzymatic reaction mixture, with or without PLK inhibitors, is incubated for 2.5 h at 30°C before termination with 20μL of 150 mM EDTA. Then 25μL of the stopped enzyme reaction mixture is transferred to a 384-well streptavidin coated Image FlashPlate and incubated at room temperature for 3 h. The Image Flash Plate wells are washed three times with 0.02% Tween-20 and then read on the Perkin-Elmer Viewlux.

Solubility Information

Solubility	DMSO: 22.5 mg/mL (43.27 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.923 mL	9.6148 mL	19.2297 mL
5 mM	0.3846 mL	1.923 mL	3.8459 mL
10 mM	0.1923 mL	0.9615 mL	1.923 mL
50 mM	0.0385 mL	0.1923 mL	0.3846 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.

Reference

WO 2013014448 A1

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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