

LS-106

Chemical Properties

CAS No. :

Formula: C₂₄H₂₈BrClN₅O_P

Molecular Weight: 548.84

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	LS-106 is an orally active, effective epidermal growth factor receptor (EGFR) inhibitor displaying antitumor activity both in vitro and in vivo. It inhibits the kinase activities of EGFR19del/T790M/C797S and EGFR L858R/T790M/C797S, with IC ₅₀ values of 2.4 nmol/L and 3.1 nmol/L, respectively, demonstrating stronger inhibition than Osimertinib. LS-106 induces cell apoptosis (Apoptosis), suppresses the proliferation of tumor cells carrying EGFR19del/T790M/C797S, and results in significant tumor reduction in a C797S mutant xenograft model.
Targets(IC ₅₀)	Apoptosis,EGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.822 mL	9.1101 mL	18.2202 mL
5 mM	0.3644 mL	1.822 mL	3.644 mL
10 mM	0.1822 mL	0.911 mL	1.822 mL
50 mM	0.0364 mL	0.1822 mL	0.3644 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

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