

KU004

Chemical Properties

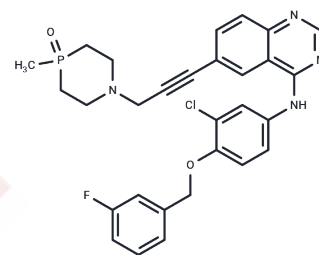
CAS No. : 1260401-93-1

Formula: C₂₉H₂₇ClFN₄O₂P

Molecular Weight: 548.98

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	KU004, a potent dual EGFR/HER2 inhibitor, exhibits anticancer properties. It inhibits the proliferation of human breast cancer SKBR3 cells by inducing G1 phase arrest. KU004 blocks the activation of HER2, EGFR, and the downstream Akt and Erk pathways, primarily inducing apoptosis (Apoptosis) through the extrinsic pathway. Additionally, KU004 is a novel quinazoline derivative.
Targets(IC50)	Apoptosis,ERK,EGFR,Akt

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8216 mL	9.1078 mL	18.2156 mL
5 mM	0.3643 mL	1.8216 mL	3.6431 mL
10 mM	0.1822 mL	0.9108 mL	1.8216 mL
50 mM	0.0364 mL	0.1822 mL	0.3643 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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