

JBJ-09-063 hydrochloride

Chemical Properties

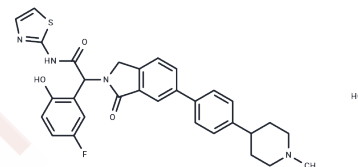
CAS No. :

Formula: C₃₁H₃₀ClFN₄O₃S

Molecular Weight: 593.11

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	JBJ-09-063 hydrochloride is an EGFR inhibitor selective for mutants, demonstrating IC ₅₀ values of 0.147 nM, 0.063 nM, 0.083 nM, and 0.396 nM against EGFR L858R, EGFR L858R/T790M, EGFR L858R/T790M/C797S, and EGFR L747S, respectively. It effectively inhibits EGFR, Akt, and ERK1/2 phosphorylation, showing efficacy in both EGFR tyrosine kinase inhibitor (TKI)-sensitive and -resistant models. This compound holds potential for research on EGFR-mutant lung cancer.
Targets(IC ₅₀)	EGFR,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.686 mL	8.4301 mL	16.8603 mL
5 mM	0.3372 mL	1.686 mL	3.3721 mL
10 mM	0.1686 mL	0.843 mL	1.686 mL
50 mM	0.0337 mL	0.1686 mL	0.3372 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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