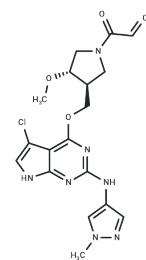


(3S,4S)-PF-06459988

Chemical Properties

CAS No. : 1858291-14-1
 Formula: C₁₉H₂₂ClN₇O₃
 Molecular Weight: 431.88
 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	(3S, 4S)-PF-06459988 is the less active S enantiomer of PF-06459988, a potent irreversible inhibitor of T790M mutant epidermal growth factor receptor (EGFR), exhibiting excellent selectivity against EGFR wild-type due to its minimally reactive electrophile, reducing off-target labeling likelihood.
Targets(IC ₅₀)	EGFR,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3155 mL	11.5773 mL	23.1546 mL
5 mM	0.4631 mL	2.3155 mL	4.6309 mL
10 mM	0.2315 mL	1.1577 mL	2.3155 mL
50 mM	0.0463 mL	0.2315 mL	0.4631 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.

Reference

Cheng, H., et al. Discovery of 1-((3R,4R)-3-((5-Chloro-2-((1-methyl-1H-pyrazol-4-yl)amino)-7H-pyrrolo[2,3-d]pyrimidin-4-yl)oxy)methyl)-4-methoxypyrrolidin-1-yl)prop-2-en-1-one (PF-06459988), a Potent, WT Sparing, Irreversible Inhibitor of T790M-Containing EGFR Mutants. Journal of Medicinal Chemistry, 59(5), 2005-2024.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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