

PF-05139962

Chemical Properties

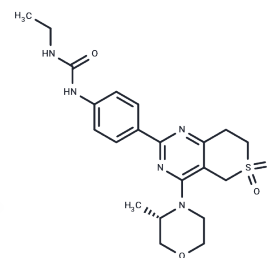
CAS No. : 1393712-18-9

Formula: C₂₁H₂₇N₅O₄S

Molecular Weight: 445.54

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	PF-05139962 is a novel potent mTOR inhibitor with excellent mTOR biochemical inhibition, cellular potency, kinase selectivity and in vitro ADME properties. PF-05139962 has pS473 and pS6 cellular IC ₅₀ = 48 and 6 nM respectively. PF-05139962 has great selectivity against other receptors and kinases. No genotoxicity was observed on this compound and no more than 25% inhibition was observed for major CYP enzymes (3A4, 1A2, 2C9, 2D6) at 3 uM. This compound has LE = 0.35 and LipE up to 6.8 which is in a very desirable range for a kinase inhibitor.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2445 mL	11.2223 mL	22.4447 mL
5 mM	0.4489 mL	2.2445 mL	4.4889 mL
10 mM	0.2244 mL	1.1222 mL	2.2445 mL
50 mM	0.0449 mL	0.2244 mL	0.4489 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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