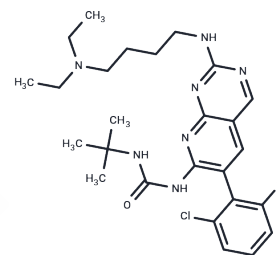


PD-161570

Chemical Properties

CAS No. : 192705-80-9
 Formula: C₂₆H₃₅Cl₂N₇O
 Molecular Weight: 532.51
 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	PD-161570 is a potent and ATP-competitive human FGF-1 receptor inhibitor with an IC ₅₀ of 39.9 nM and a K _i of 42 nM. It also inhibits the PDGFR, EGFR, and c-Src tyrosine kinases with IC ₅₀ values of 310 nM, 240 nM, and 44 nM, respectively.
Targets(IC ₅₀)	EGFR,FGFR,PDGFR,Src,TGF-beta/Smad

Solubility Information

Solubility	DMSO: 30 mg/mL (56.34 mM),Sonication is recommended. Ethanol: < 53.25 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8779 mL	9.3895 mL	18.779 mL
5 mM	0.3756 mL	1.8779 mL	3.7558 mL
10 mM	0.1878 mL	0.9389 mL	1.8779 mL
50 mM	0.0376 mL	0.1878 mL	0.3756 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

Hamby JM, et al. Structure-activity relationships for a novel series of pyrido[2,3-d]pyrimidine tyrosine kinase inhibitors. J Med Chem. 1997 Jul 18;40(15):2296-303.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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