

Product Datasheet

PD-161570 orb1089346

Description	PD-161570 is a selective FGFR inhibitor (IC ₅₀ values are 40, 262 and 3700 nM for FGFR, PDGFR and EGFR respectively). PD 161570 had about 5- and 100-fold greater selectivity toward the FGF-1 receptor (IC ₅₀ = 40 nM) compared with the PDGFBeta receptor (IC ₅₀ = 262 nM) or EGF receptor (IC ₅₀ = 3.7 microM) tyrosine kinases, respectively. In addition, PD 161570 suppressed constitutive phosphorylation of the FGF-1 receptor in both human ovarian carcinoma cells (A121(p)) and Sf9 insect cells overexpressing the human FGF-1 receptor and blocked the growth of A121(p) cells in culture. The results demonstrate a novel synthetic inhibitor with nanomolar potency and specificity towards the FGF-1 receptor tyrosine kinase.
Note	For research use only.
Formula	C ₂₆ H ₃₅ Cl ₂ N ₇ O
MW	532.514
CAS Number	[192705-80-9]
SMILES	<chem>O=C(NC(C)(C)C)NC1=NC2=NC(NCCCCN(CC)CC)=NC=C2C=C1C3=C(CI)C=CC=C3CI</chem>
Expiration Date	12 months from date of receipt.