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PD-161570

产品编号: D51471
CAS: 192705-80-9
分子式: C26H35Cl2N7O
纯度: ≥98%
InChi: InChI=1S/C26H35Cl2N7O/c1-6-35(7-2)14-9-8-13-29-24-30-16-17-15-18(21-19(27)11-10-12-20(21)28)23(31-22(17)32-24)33-25(36)34-26(3,4)5/h10-12,15-16H,6-9,13-14H2,1-5H3,(H3,29,30,31,32,33,34,36)
InChi Key: MKVMEJKNLUWFSQ-UHFFFAOYSA-N
Smiles: CC(C)(C)NC(=O)NC1=NC2N=C(NCCCCN(CC)CC)N=CC=2C=C1C1C(Cl)=CC=CC=1Cl
外观: 固体粉末
作用通路: EGFR
溶解性: Soluble in DMSO
保存条件: Store in dry, dark place for one year.
产品介绍: PD-161570 is a selective FGFR inhibitor (IC50 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 (IC50 = 40 nM) compared with the PDGFbeta receptor (IC50 = 262 nM) or EGF receptor (IC50 = 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.