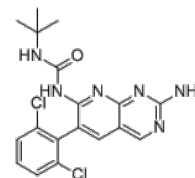


Product Name : PD089828
Cat. No. : PC-38509
CAS No. : 179343-17-0
Molecular Formula : C₁₈H₁₈Cl₂N₆O
Molecular Weight : 405.28
Target : FGFR
Solubility : 10 mM in DMSO



Biological Activity

PD089828 is an ATP competitive inhibitor of **FGFR-1**, **PDGFR-β** and **EGFR** with IC₅₀ of 0.15 uM, 1.76 uM, and 5.47 uM, respectively.

PD089828 inhibits PDGF receptor autophosphorylation in VSMC, also inhibits the PDGF-induced tyrosine phosphorylation of the 44- and 42-kDa mitogen-activated protein kinase isoforms.

PD089828 inhibits PDGF-directed migration, serum-stimulated growth of VSMC, and PDGF receptor autophosphorylation with IC₅₀ of 0.8, 4.5 and 1.8 uM, respectively.

References

J M Hamby, et al. *J Med Chem*. 1997 Jul 18;40(15):2296-303.

Dahring TK, et al. *J Pharmacol Exp Ther*. 1997 Jun;281(3):1446-56.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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