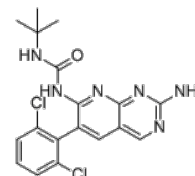


**Product Name** : PD089828  
**Cat. No.** : PC-38509  
**CAS No.** : 179343-17-0  
**Molecular Formula** : C<sub>18</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>6</sub>O  
**Molecular Weight** : 405.28  
**Target** : FGFR  
**Solubility** : 10 mM in DMSO



## Biological Activity

PD089828 is an ATP competitive inhibitor of FGFR-1, PDGFR- $\beta$  and EGFR with IC<sub>50</sub> of 0.15  $\mu$ M, 1.76  $\mu$ M, and 5.47  $\mu$ M, 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 IC<sub>50</sub> of 0.8, 4.5 and 1.8  $\mu$ M, 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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