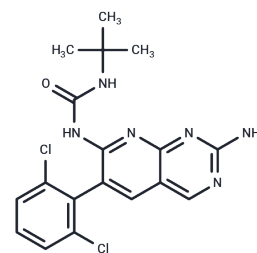


PD-089828

Chemical Properties

CAS No. : 179343-17-0
 Formula: C₁₈H₁₈Cl₂N₆O
 Molecular Weight: 405.28
 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 089828 is a competitive inhibitor of the receptor tyrosine kinases FGFR1, PDGFR β , and EGFR (IC ₅₀ s = 0.15, 1.76, and 5.47 μ M, respectively) and a noncompetitive inhibitor of the nonreceptor tyrosine kinase c-Src (IC ₅₀ = 0.18 μ M)
Targets(IC ₅₀)	EGFR,FGFR,PDGFR,Src
In vitro	PD 089828 as a novel, broadly active protein tyrosine kinase inhibitor with long-lasting but reversible cellular effects. The potential therapeutic use of these broadly acting, nonselective inhibitors as antiproliferative and antimigratory agents could extend to such diseases as cancer, atherosclerosis and restenosis in which redundancies in growth-signaling pathways are known to exist.

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4674 mL	12.3371 mL	24.6743 mL
5 mM	0.4935 mL	2.4674 mL	4.9349 mL
10 mM	0.2467 mL	1.2337 mL	2.4674 mL
50 mM	0.0493 mL	0.2467 mL	0.4935 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

Dahring TK, et al. Inhibition of growth factor-mediated tyrosine phosphorylation in vascular smooth muscle by PD 089828, a new synthetic protein tyrosine kinase inhibitor. J Pharmacol Exp Ther. 1997 Jun;281(3):1446-56.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481