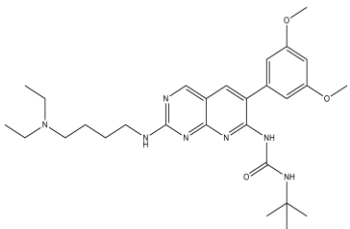


## PD 173074

ALTERNATE NAME	N-[2-[[4-(Diethylamino)butyl]amino]-6-(3,5-dimethoxyphenyl)pyrido[2,3-d]pyrimidin-7-yl]-N'-(1,1-dimethylethyl)urea
CATALOG #:	1675-1
AMOUNT:	1 mg
LOT #:	_____
STRUCTURE:	
MOLECULAR FORMULA:	C <sub>28</sub> H <sub>41</sub> N <sub>7</sub> O <sub>3</sub>
MOLECULAR WEIGHT:	523.67
CAS NUMBER:	219580-11-7
APPEARANCE:	Crystalline solid
SOLUBILITY:	DMSO (10 mg/ml)
PURITY:	>98%
STORAGE:	Store at -20°C. Protect from air and light
DESCRIPTION:	A potent and selective FGFR1 tyrosine kinase inhibitor (IC <sub>50</sub> = 21.5 nM). Blocking of the FGFR signaling pathway by PD 173074 leads to self-renewal of stem cells via ERK1/2 activation. Treatment of FGF2-expressing human multipotent adipose-derived stem cells with PD173074 decreases dramatically their clonogenicity and differentiation potential.
REFERENCES:	1. Ying, Q.-L. <i>et al.</i> (2008). <i>Nature</i> <b>53</b> , 2008. 2. Zaragosi, L.E., <i>et al.</i> (2006). <i>Stem Cells</i> <b>24</b> , 2412. 3. Mohammadi, M., <i>et al.</i> (1998). <i>EMBO J.</i> <b>17</b> , 5896.
HANDLING:	Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**FOR RESEARCH USE ONLY! Not to be used in humans.**

### RELATED PRODUCTS:

- Apoptosis Detection Kits & Reagents
  - Annexin V Kits & Bulk Reagents
  - Caspase Assay Kits & Reagents
  - Mitochondrial Apoptosis Kits & Reagents
  - Nuclear Apoptosis Kits & Reagents
  - Apoptosis Inducers and Set
  - Apoptosis siRNA Vectors
- Cell Fractionation System
  - Mitochondria/Cytosol Fractionation Kit
  - Nuclear/Cytosol Fractionation Kit
  - Membrane Protein Extraction Kit
  - Cytosol/Particulate Rapid Separation Kit
  - Mammalian Cell Extraction Kit
  - FractionPREP Fractionation System
- Cell Proliferation & Senescence
  - Quick Cell Proliferation Assay Kit
  - Senescence Detection Kit
  - High Throughput Apoptosis/Cell Viability Assay Kits
  - LDH-Cytotoxicity Assay Kit
  - Bioluminescence Cytotoxicity Assay Kit
  - Live/Dead Cell Staining Kit
- Cell Damage & Repair
  - HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
  - HAT Colorimetric Assay Kit & Reagents
  - DNA Damage Quantification Kit
  - Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits
- Signal Transduction
  - cAMP & cGMP Assay Kits
  - Akt & JNK Activity Assay Kits
  - Beta-Secretase Activity Assay Kit
- Adipocyte & Lipid Transfer
  - Recombinant Adiponectin, Survivin, & Leptin
  - CETP Activity Assay & Drug Discovery Kits
  - PLTP Activity Assay & Drug Discovery Kits
  - Total Cholesterol Quantification Kit
- Molecular Biology & Reporter Assays
  - siRNA Vectors
  - Cloning Insert Quick Screening Kit
  - Mitochondrial & Genomic DNA Isolation Kits
  - 5 Minutes DNA Ligation Kit
  - 20 Minutes Gel Staining/Destaining Kit
  - β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit
- Growth Factors and Cytokines
- Monoclonal and Polyclonal Antibodies