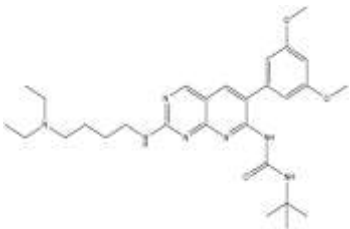


PD 173074

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, 100
AMOUNT:	1 mg, 100 mg
LOT #:	_____
STRUCTURE:	
MOLECULAR FORMULA:	C ₂₈ H ₄₁ N ₇ O ₃
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 ₅₀ = 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:	<ol style="list-style-type: none"> 1. Ying, Q.-L. <i>et al.</i> (2008). <i>Nature</i> 53, 2008. 2. Zaragosi, L.E., <i>et al.</i> (2006). <i>Stem Cells</i> 24, 2412. 3. Mohammadi, M., <i>et al.</i> (1998). <i>EMBO J.</i> 17, 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