Aurora Kinase B Inhibitor (AZD1152-HQPA)

CATALOG #:  
1583-5  5 mg  
1583-25  25 mg

STRUCTURE:

MOLECULAR FORMULA:  
C_{26}H_{30}FN_{7}O_{3}

MOLECULAR WEIGHT:  
507.56

CAS  
722544-51-6

APPEARANCE:  
Solid

SOLUBILITY:  
DMSO

PURITY:  
≥99% by HPLC

STORAGE:  
Keep cool and dry, Store at -20°C

DESCRIPTION:  
A potent and specific Aurora kinase B inhibitor. It is 1000-fold more selective for aurora kinase B than for aurora kinase A (K_i values of 1300 nM and 0.36 nM for aurora kinase A and B, respectively). At concentrations as low as 0.01 µM, AZD 1152 produced a significant (p<0.05) decrease in the ability of NB4 cells to proliferate by 48 hours.

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