Gefitinib

CATALOG #: 1589-5 5 mg 1589-25 25 mg

LOT #: __________

STRUCTURE:

MOLECULAR FORMULA: C22H24ClF4N4O3

MOLECULAR WEIGHT: 446.9

CAS: 184475-35-2

APPEARANCE: solid

SOLUBILITY: DMSO (100 mg/ml)

PURITY: >99%

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

DESCRIPTION: Gefitinib was found to be a potent inhibitor of EGFR kinase (Ki = 0.40 nM), but much weaker against ErbB-2 kinase (Ki = 870 nM) and ErbB-4 kinase (Ki = 1.1 µM). The IC50 values for Gefitinib to inhibit HT-29 and LoVo cell growth were 23.6 - >100 µM and 7.3 - 48.5 µM, respectively, when the exposure times are from 18 hours to 3 days. The IC50 values of Gefitinib to the breast cancer cell lines BT20, HCC1937, MDA-MB-231, BT474, and SKBR3 are 15.5±1.4, 8.4±1.5, 20.7±1.1, 0.25±0.05, 0.88±0.31 µM, respectively

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

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- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

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- siRNA Vectors
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/ Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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