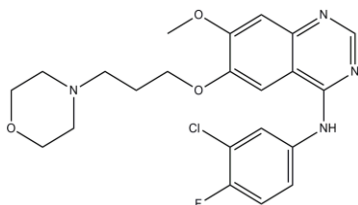


Gefitinib

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

LOT #: _____

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₂₄ClFN₄O₃

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 (K_i = 0.40 nM), but much weaker against ErbB-2 kinase (K_i = 870 nM) and ErbB-4 kinase (K_i = 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

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