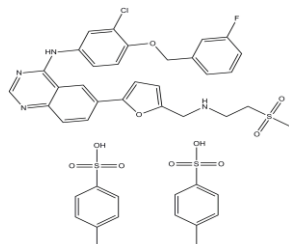


Lapatinib Ditosylate

Tykerb, Tyverb, GW-572016

CATALOG #: 1624-25 25 mg
1624-100 100 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₉H₂₆ClFN₄O₄S₂C₇H₈O₃S

MOLECULAR WEIGHT: 925.46

CAS NUMBER: 388082-78-8

APPEARANCE: Solid

SOLUBILITY: Soluble in DMSO (200 mg/ml), very poorly soluble in water (1-10 μM); buffers, serum, or other additives may increase or decrease the aqueous solubility.

PURITY: ≥99% by HPLC

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

DESCRIPTION: Lapatinib is a potent inhibitor of EGFR kinase (K_i = 3 nM), ErbB-2 kinase (K_i = 13 nM), ErbB-4 kinase (K_i = 347 nM). Lapatinib can restore tamoxifen sensitivity in tamoxifen-resistant, ER-positive breast cancer models.

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