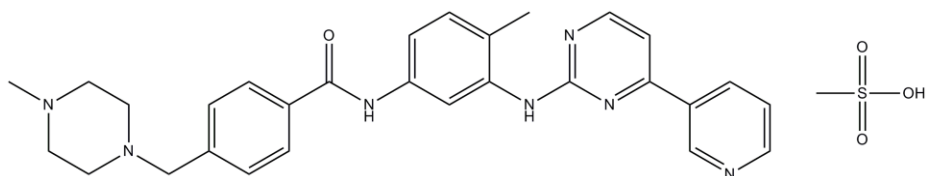


Imatinib Mesylate

ALTERNATE NAME: STI-571; CGP-57148B

CATALOG #: 1625-100 100 mg
1625-1000 1000 mg

LOT #:



MOLECULAR FORMULA: C₂₉H₃₁N₇O·CH₄SO₃

MOLECULAR WEIGHT: 589.71

CAS NUMBER: 220127-57-1

APPEARANCE: Solid

SOLUBILITY: DMSO (200 mg/ml)

PURITY: ≥99%

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

DESCRIPTION: An inhibitor of the bcr-abl tyrosine kinase. It acts by binding to the ATP binding site of bcr-abl. Imatinib also stimulates the entry of the bcr-abl tyrosine kinase into the nucleus, where it cannot perform its anti-apoptotic functions. It inhibits EOL-1 cell viability (IC₅₀ = 0.5 nM), phosphorylation of a fusion protein (IC₅₀ = 30 nM), and viability of BaF3 cells expressing Rhe-PDGFRα in the absence of IL-3 (IC₅₀ = 0.17 nM).

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