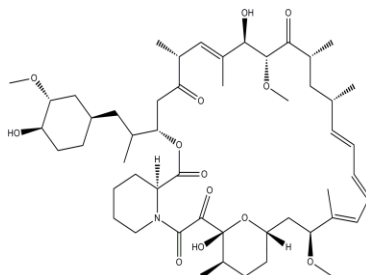


Rapamycin

CATALOG #: 1568-5 5 mg
1568-50 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₅₁H₇₉NO₁₃

MOLECULAR WEIGHT: 914.19

CAS NUMBER: 53123-88-9

PURITY: ≥99%

APPEARANCE: White to off-white solid

SOLUBILITY: Soluble in DMSO or ethanol

STORAGE CONDITIONS: -20°C in the dark. Do not expose to sunlight or fluorescent lights for extended periods.

BACKGROUND: Immunosuppressant. Selectively blocks signaling that leads to p70 S6 kinase activation (IC₅₀ = 50 pM). Inhibits lymphokine-induced cell proliferation at the G1 phase. Induce apoptosis in a murine B cell line. Rapamycin has been used *in vivo* studies by *i.p.*, *i.m.*, and *i.v.* administrations..

CAUTION: Do not ingest, swallow, or inhale. Do not get in eyes or on skin. Care should be taken to prevent contact through all routes 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 & Inhibitors
- 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
- 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

Growth Factors and Cytokines (many)

Polyclonal and Monoclonal Antibodies