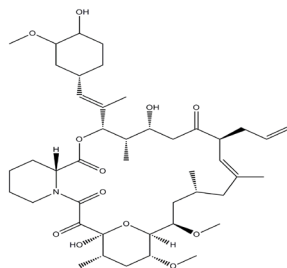


FK-506

CATALOG #: 1563-1 1 mg
1563-10 10 mg

LOT #: _____

STRUCTURE:



MOLECULAR FORMULA: C₄₄H₆₉NO₁₂

MOLECULAR WEIGHT: 804.03

CAS NUMBER: 104987-11-3

PURITY: ≥98%

APPEARANCE: Powder form

SOLUBILITY: Soluble in DMSO or methanol

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

BACKGROUND: A potent immunosuppressant and in vitro T cell proliferation blocker. It disrupts calcineurin-mediated signal transduction in T-lymphocytes. It interacts with its FK506-binding protein-12 (FKBP-12), leading to increase in the release of sarcoplasmic reticulum-derived calcium. FK506 and rapamycin, but not cyclosporin inhibit aldosterone-stimulated sodium transport in A6 cells. FK506 is a licensed immunosuppressant calcineurin inhibitor. It also binds cyclophilin and has been shown to inhibit HCoV-NL63 (coronavirus).

CAUTION: Tumor promoter. 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.

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)

