Caspase-3 Inhibitor, Z-DEVD-FMK

CATALOG #: 1143-1 1 mg
1143-5 5 mg

STORAGE: Store at –20°C.

SHELF LIFE: 1 year under proper storage conditions

MOLECULAR WEIGHT: 668.0

SEQUENCE: Z-Asp(OMe)-Glu(OMe)-Val-Asp(OMe)-FMK

PURITY: One spot by TLC

PACKAGE CONTENTS: 1 mg (or 5 mg) lyophilized powder

RECONSTITUTION: Reconstitute in DMSO (20 mM)

DESCRIPTION:
A synthetic peptide that irreversibly inhibits activity of DEVD-dependent caspases (e.g., caspase-3 and caspase-7) and blocks apoptosis. The inhibitor is designed as a methyl ester to facilitate cell permeability. The product can be used for both in vitro and in vivo studies. (CAUTION: If the intended use is on purified or recombinant enzymes, esterase should be added to generate free carboxyl groups).

RECOMMENDED USAGE:
We recommend using 2-10 µM for inhibiting caspase activity in cell culture. The optimal doses may vary for different cells and culture conditions.

FOR RESEARCH PURPOSE 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
  - Apoptotic Cell Isolation Kit

- 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 Kit
  - 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
  - ß-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

- Growth Factors and Cytokines
- Quality Antibodies for Apoptosis and Signal Transduction Molecules