

Caspase-9/Mch6 Inhibitor, Z-LEHD-FMK

CATALOG #:	1074-100
STORAGE CONDITIONS:	Store at -20°C.
SHELF LIFE:	1 year under proper storage conditions
MOLECULAR WEIGHT:	690.7
SEQUENCE:	Z-Leu-Glu(OMe)-His-Asp(OMe)-FMK (FMK, fluoromethyl ketone)
PURITY:	>98% by HPLC analysis
PACKAGE CONTENTS:	100 µl Z-LEHD-FMK (2 mM) in DMSO

DESCRIPTION:

A synthetic peptide that irreversibly inhibits caspase-9 and related caspase activity. The inhibitor is designed as a methyl ester to facilitate cell permeability. (**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 1000X dilutions for inhibiting caspase-9 activity in cell culture (e.g., Add 1 µl to 1 ml of culture medium). The optimal doses may vary for different cells and culture conditions.

REFERENCES:

1. Thornberry, N.A., *et al.* (1997) *J. Biol. Chem.* **272**:17907-17911.

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

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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