

Caspase-4 Inhibitor, Z-LEVD-FMK

CATALOG #:	1108-100
STORAGE CONDITIONS:	Store at -20°C.
SHELF LIFE:	1 year under proper storage conditions
MOLECULAR WEIGHT:	652.0
SEQUENCE:	Z-Leu-Glu(OMe)-Val-Asp(OMe)-FMK (FMK, fluoromethyl ketone)
PURITY:	>95% by HPLC analysis.
PACKAGE CONTENTS:	100 µl (2 mM) Z-LEVD-FMK in DMSO

DESCRIPTION:

A synthetic peptide inhibitor that inhibits caspase-4 and related caspase activity. FMK inhibitors are irreversible and non-toxic, and can be used in both *in vivo* and *in vitro* studies. 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-4 and related caspase activity (e.g., Add 1 µl to 1 ml of culture medium). The optimal doses may vary for different cells and culture conditions. The inhibitor is designed as a methyl ester to facilitate cell permeability.

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

- 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

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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
- Total Cholesterol Quantification Kit

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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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