

Caspase-1/ICE Inhibitor, Z-YVAD-FMK

CATALOG #:	1012-100
LOT #:	_____
STORAGE CONDITIONS:	Store at -20°C.
SHELF LIFE:	1 year under proper storage conditions
MOLECULAR WEIGHT:	630.0
SEQUENCE:	Z-Tyr-Val-Ala-Asp-FMK (FMK, fluoromethyl ketone)
PURITY:	>99% by HPLC analysis

PACKAGE CONTENTS: 100 µl Z-YVAD-FMK (2 mM) in DMSO

DESCRIPTION: A synthetic peptide that irreversibly inhibits ICE (interleukin-1 β converting enzyme, K_i = 0.76 nM) activity. YVAD is the specific recognition sequence for ICE/caspase-1. The inhibitor is designed as a methyl ester to facilitate cell permeability.

RECOMMENDED USAGE:

We recommend using 1000-5000X dilutions for inhibiting caspase-1 activity in Jurkat cell culture (e.g., Add 1 µl to 1-5 ml of culture medium). The optimal doses may vary for different cells and culture conditions.

REFERENCES:

- Schlegel, J., *et al.* (1996) *J. Biol. Chem.* **271**:1841-1485.
- Nicholson, D.W., *et al.* (1995) *Nature* **376**:37-40.
- Walker, N.P.C., *et al.* (1994) *Cell* **78**:343-349.
- Thornberry, N., *et al.* (1992) *Nature* **356**:768-771.

FOR RESEARCH USE ONLY! Not to be used in human.

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
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