

Caspase-8/FLICE Inhibitor, Z-IETD-FMK

CATALOG #:	1064-100
LOT #:	_____
STORAGE CONDITIONS:	Store at -20°C.
SHELF LIFE:	1 year under proper storage conditions
MOLECULAR WEIGHT:	654.0
SEQUENCE:	Z-Ile-Glu-Thr-Asp-FMK (FMK, fluoromethyl ketone)
PURITY:	>99% by HPLC analysis.
PACKAGE CONTENTS:	100 µl Z-IETD-FMK (2 mM) in DMSO

DESCRIPTION:

A synthetic peptide that irreversibly inhibits FLICE and related protease/caspase activity and blocks apoptosis. IETD is the specific recognition sequence found in CPP32 proenzyme. 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-8 activity in Jurkat 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.
2. Nicholson, D.W., *et al.* (1995) *Nature* **376**:37-40.

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