Creative Enzymes®

# Caspase-3 Inhibitor Z-DEVD-FMK

*Cat. No. CEI-0436*

*Lot. No.* (See product label)

## Introduction

| | |
|---|---|
| ***Description*** | A synthetic peptide inhibitor that irreversibly inhibits caspase-3 and related protease/caspase activity and blocks apoptosis. DEVD is the specific recognition sequence found in poly (ADP-ribose) polymerase (PARP). 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). |
| ***Synonyms*** | Z-DEVD-FMK, Caspase-4 inhibitor (fluoromethylketone) |

## Product Information

| | |
|---|---|
| ***Appearance*** | Pale yellow solid |
| ***CAS No.*** | 210344-95-9 |
| ***Molecular Formula*** | $C_{30}H_{41}FN_4O_{12}$ |
| ***Molecular Weight*** | 668.7 |
| ***Purity*** | >98% by HPLC |
| ***Targets*** | Caspase-3 |
| ***Solubility*** | DMSO (~30 mg/ml) or $H_2O$ (~ 31 mg/ml) |
| ***Amino Acid Sequence*** | Z-Asp(OMe)-Glu(OMe)-Val-Asp(OMe)-FMK |

## Storage and Shipping Information

| | |
|---|---|
| ***Storage*** | -20 centigrade |
| ***Shipping Conditions*** | Gel pack |