



LKT Laboratories, Inc.

Z-VAD-FMK

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## Product Information

**Product ID** Z8401

**CAS No.** 187389-52-2

**Chemical Name** N-[(Benzyloxy)carbonyl]-L-valyl-L-N-[(3S)-5-fluoro-1-methoxy-1,4-dioxo-3-pentanyl]-L-alaninamide

**Synonym** Z-VAD(OMe)-FMK, pan-Caspase Inhibitor, Z-Val-Ala-DL-Asp(OMe)-fluoromethylketone, Benzyloxycarbonyl-Val-Ala-DL-Asp(OMe)-fluoromethylketone, Caspase Inhibitor I

**Formula** C<sub>22</sub>H<sub>30</sub>FN<sub>3</sub>O<sub>7</sub>

**Formula Wt.** 467.49

**Melting Point**

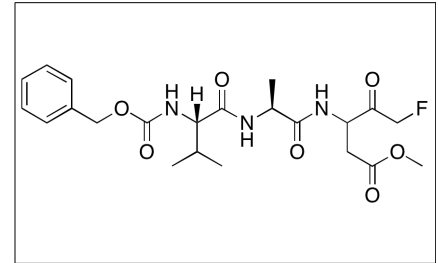
**Purity** ≥95%

**Solubility** Soluble in DMSO, acetonitrile, DMF.

**Store Temp** -20° C

**Ship Temp** Ambient

**Description** Z-VAD-FMK is a non-specific caspase inhibitor used to prevent caspase-mediated apoptosis in vitro. This peptide is primarily used in research models of apoptosis.



**Bulk quantities available upon request**

Product ID	Size
Z8401	1 mg
Z8401	5 mg

**References** Burmistrova O, Perdomo J, Simões MF, et al. The abietane diterpenoid parvifloron D from *Plectranthus ecklonii* is a potent apoptotic inducer in human leukemia cells. *Phytomedicine*. 2015 Oct 15;22(11):1009-16. PMID: 26407943.

Choi EY, Shin KC, Lee J, et al. Treatment with a Small Synthetic Compound, KMU-193, induces Apoptosis in A549 Human Lung Carcinoma Cells through p53 Up-Regulation. *Asian Pac J Cancer Prev*. 2015;16(14):5883-7. PMID: 26320467.

Davis DA, Naiman NE, Wang V, et al. Identification of Caspase Cleavage Sites in KSHV Latency-Associated Nuclear Antigen and Their Effects on Caspase-Related Host Defense Responses. *PLoS Pathog*. 2015 Jul 28;11(7):e1005064. PMID: 26218605.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.