

Catalog # 10-2614

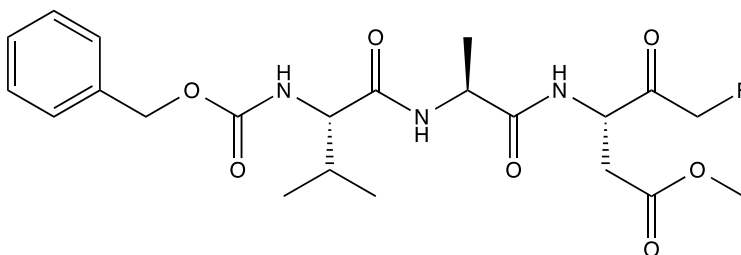
Z-VAD-FMK

187389-52-2

Benzyloxycarbonyl-Val-Ala-Asp(OMe)-fluoromethylketone

ZVAD(OMe)-FMK

Lot # X101621



Cell-permeable, methyl ester form of ZVAD-FMK. Potent, irreversible pan-caspase inhibitor. Inhibits caspase activity and apoptosis induction in a variety of cell types ($IC_{50} = 1.5 \mu M$). Active *in vivo*.

- 1) Slee *et al.* (1996), *Benzyloxycarbonyl-Val-Ala-ASP (OMe) fluoromethylketone (Z-VAD.FMK) inhibits apoptosis by blocking the processing of CPP32*; *Biochem. J.*, **315** 21
- 2) Kunstle *et al.* (1997), *ICE-protease inhibitors block murine liver injury and apoptosis caused by CD95 or by TNF-alpha*; *Immunol. Lett.*, **55** 5
- 3) Garcia-Calvo *et al.* (1998), *Inhibition of human caspases by peptide based and macromolecular inhibitors*; *J. Biol. Chem.*, **273** 32608

PHYSICAL DATA

| | |
|------------------------|--|
| Molecular Weight: | 467.50 |
| Molecular Formula: | C ₂₂ H ₃₀ FN ₃ O ₇ |
| Purity: | 98% by TLC |
| | NMR: (Conforms) |
| Solubility: | DMSO (up to 10 mg/ml) |
| Physical Description: | Lyophilized or waxy solid |
| Storage and Stability: | Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 week. |

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.