

**Product Name:** Z-DEVD-FMK

**Catalog No.:** 2166

**Batch No.:** 6

**IUPAC Name:** Benzyloxycarbonyl-Asp(OMe)-Glu(OMe)-Val-Asp(OMe)-fluoromethylketone

**1. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Batch Molecular Formula:</b>	C <sub>30</sub> H <sub>41</sub> FN <sub>4</sub> O <sub>12</sub>
<b>Batch Molecular Weight:</b>	668.67
<b>Physical Appearance:</b>	White lyophilised solid
<b>Net Peptide Content:</b>	100%
<b>Solubility:</b>	Soluble to 13.37 mg/ml in DMSO
<b>Storage:</b>	Store at -20°C
<b>Peptide Sequence:</b>	Z-Asp(OMe)-Glu(OMe)-Val-Asp(OMe)-FMK

**2. ANALYTICAL DATA**

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Tocris Bioscience is an R&D Systems company  
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**Catalog No.:** 2166

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**IUPAC Name:** Benzyloxycarbonyl-Asp(OMe)-Glu(OMe)-Val-Asp(OMe)-fluoromethylketone

**Description:**

Cell-permeable, irreversible inhibitor of caspase-3/CPP32; inhibits tumor cell apoptosis. Neuroprotective in rat hippocampus following seizures in vivo.

**Physical and Chemical Properties:**

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Batch Molecular Weight: 668.67

Physical Appearance: White lyophilised solid

**Peptide Sequence:**

Z-Asp(OMe)-Glu(OMe)-Val-Asp(OMe)-FMK

**Storage:** Store at -20°C

**Solubility & Usage Info:**

Soluble to 13.37 mg/ml in DMSO

**Net Peptide Content:** 100% (Remaining weight made up of counterions and residual water).

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

**References:**

**Brocksted *et al*** (1998) Identification of apoptosis-associated proteins in a human Burkitt lymphoma cell line. *J.Biol.Chem.* **273** 28057. PMID: 9774422.

**Henshall *et al*** (2000) Involvement of caspase-3-like protease in the mechanism of cell death following focally evoked limbic seizures. *J.Neurochem.* **74** 1215. PMID: 10693954.

**Kugawa *et al*** (2000) Apoptosis of NG108-15 cells induced by buprenorphine hydrochloride occurs via the caspase-3 pathway. *Biol.Pharm.Bull.* **23** 930. PMID: 10963298.

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