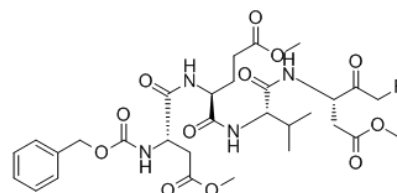


**Product Name** : Z-DEVD-FMK  
**Cat. No.** : PC-43046  
**CAS No.** : 210344-95-9  
**Molecular Formula** : C<sub>30</sub>H<sub>41</sub>FN<sub>4</sub>O<sub>12</sub>  
**Molecular Weight** : 668.6646  
**Target** : Caspase  
**Solubility** : DMSO: ≥ 33.33 mg/mL



### Biological Activity

Z-DEVD-FMK is a specific **caspase-3** inhibitor with IC<sub>50</sub> of 18 uM, inhibits apoptosis.

Z-DEVD-FMK affects the survival and function of platelets in platelet concentrate during storage, blocks the geranylgeraniol-induced DNA fragmentation in human leukemia cells.

Z-DEVD-FMK abolishes the apoptosis, CPP32/Mch3alpha processing and the increase in CPP32-like protease activity induced by TGF-beta1 in rat hepatocytes.

### References

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Lee YS, et al. *Mol Cells*. 1998 Jun 30;8(3):272-9.

Kanthasamy AG, et al. *Free Radic Biol Med*. 2006 Nov 15;41(10):1578-89.

Springer JE, et al. *Nat Med*. 1999 Aug;5(8):943-6.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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