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## DATASHEET

Z-DQMD-FMK

### Product overview

<b>Name</b>	Z-DQMD-FMK
<b>Cat No</b>	HB1283
<b>Biological action</b>	Inhibitor
<b>Description</b>	Cell permeable caspase 3 specific inhibitor

### Biological Data

<b>Biological description</b>	Cell permeable caspase 3 specific inhibitor. Attenuates $\beta$ -catenin degradation but does not affect $\beta$ -catenin and GSK-3 $\beta$ phosphorylation
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### Solubility & Handling

<b>Storage instructions</b>	-20 °C (desiccate)
<b>Solubility overview</b>	Soluble in DMSO (13.71mg/ml)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	Benzyloxycarbonyl-Asp(OMe)-Gln-Met-Asp(OMe)-fluoromethylketone
<b>Molecular Weight</b>	685.72
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>29</sub> H <sub>40</sub> FN <sub>5</sub> O <sub>11</sub> S
<b>PubChem identifier</b>	644197
<b>SMILES</b>	[H]N([C@@H](CC(=O)OC)C(=O)N[C@@H](CCC(N)=O)C(=O)N[C@@H](CCSC)C(=O)N[C@@H](CC(=O)OC)C(=O)CF)C(=O)OCC1=CC=CC=C1
<b>InChiKey</b>	QFITYVNVNMNJELE-TUFLPTIASA-N

### References

#### Inhibiting caspase-3 activity blocks beta-catenin degradation after focal ischemia in rat.

Zhang H *et al* (2008) Neuroreport 19(8)

**PubMedID** [18463494](#)

#### Photodynamic therapy in combination with talaporfin sodium induces mitochondrial apoptotic cell death accompanied with necrosis in glioma cells.

Miki Y *et al* (2013) Biol Pharm Bull 36(2)

**PubMedID** [23196427](#)

