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DATASHEET

Z-DQMD-FMK

Product overview

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

Biological Data

Biological description	Cell permeable caspase 3 specific inhibitor. Attenuates β -catenin degradation but does not affect β -catenin and GSK-3 β phosphorylation
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Solubility & Handling

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

Chemical Data

Chemical name	Benzyloxycarbonyl-Asp(OMe)-Gln-Met-Asp(OMe)-fluoromethylketone
Molecular Weight	685.72
Chemical structure	
Molecular Formula	C ₂₉ H ₄₀ FN ₅ O ₁₁ S
PubChem identifier	644197
SMILES	[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
InChiKey	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](#)

