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DATASHEET

Q-VD-OPh

Product overview

Name	Q-VD-OPh
Cat No	HB4048
Purity	>95%
Description	Cell permeable, irreversible and non-toxic pan-caspase inhibitor

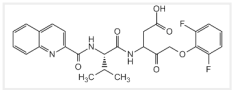
Biological Data

Biological description	Cell permeable, irreversible and non-toxic non-FMK pan-caspase inhibitor with improved potency, stability and toxicity over Z-VAD-FMK. Does not cross-react with cathepsins nor calpains. Non-toxic due to the 2,6-difluorophenoxy methyl (OPh) group. The peptide is not O-methylated to reduce hydrophobicity and to facilitate use in aqueous media. Inhibits ICE-family protease/caspase processing, leading to apoptosis and autophagy induction. Decreases proteasome activity. Used in apoptosis and inflammasome studies. Negative control also available.

Solubility & Handling

Storage instructions	+4°C
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	N-(2-Quinolyl)-L-valyl-L-aspartyl-(2,6-difluorophenoxy) methylketone
Molecular Weight	513.5
Chemical structure	
CAS Number	1135695-98-5 (anhydrous)
InChiKey	OOBJCYKITXPCNS-AKRCKQFNSA-N
Appearance	White solid