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## DATASHEET

Q-VD-OPh

### Product overview

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

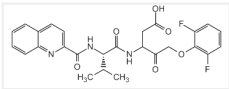
### Biological Data

<b>Biological description</b>	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 <a href="#">available</a> .
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### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Storage of solutions</b>	Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.
<b>Shipping Conditions</b>	Stable for <a href="#">ambient temperature</a> shipping. Follow storage instructions on receipt.
<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>	N-(2-Quinolyl)-L-valyl-L-aspartyl-(2,6-difluorophenoxy) methylketone
<b>Molecular Weight</b>	513.5
<b>Chemical structure</b>	
<b>CAS Number</b>	1135695-98-5 (anhydrous)
<b>InChiKey</b>	OOBJCYKITXPCNS-AKRCKQFNSA-N
<b>Appearance</b>	White solid