

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@m2stage.hellobio.com



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	The chemical structure of Q-VD-OPh is shown. It features a 2-quinolyl group attached to the nitrogen of a dipeptide chain. The dipeptide is L-valyl-L-aspartyl. The side chain of the aspartyl residue is a 2,6-difluorophenoxy group, which is further substituted with a methylketone group (-C(=O)CH ₃). The structure also includes a hydroxyl group (-OH) on the side chain.
CAS Number	1135695-98-5 (anhydrous)
InChiKey	OOBJCYKITXPCNS-AKRCKQFNSA-N
Appearance	White solid