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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

**Important** 

+4°C

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 Molecular Weight Chemical structure N-(2-Quinolyl)-L-valyl-L-aspartyl-(2,6-difluorophenoxy) methylketone

513.5

H<sub>3</sub>C CH<sub>3</sub>

CAS Number InChiKey Appearance

1135695-98-5 (anhydrous)

OOBJCYKITXPCNS-AKRCKQFNSA-N

White solid