

## Q-VD-OPH, Caspase inhibitor (pan-specific)

Catalog	Unit
TBI2940 - 1MG	1 mg
TBI2940 - 5MG	5 mg

### Product Details

**Formal Name:** Quinoyl-valyl-aspartyl-[2,6-difluorophenoxy]methyl ketone

**Molecular Formula:** C<sub>26</sub>H<sub>25</sub>F<sub>2</sub>N<sub>3</sub>O<sub>6</sub>

**Formula Weight:** 513.49

**CAS Number:** 1135695-98-5

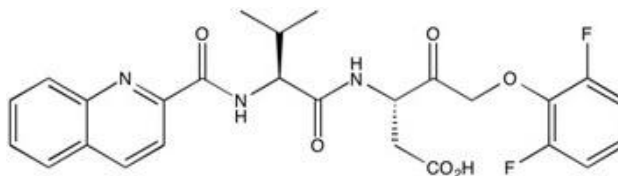
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 15 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Caspase inhibitor (pan-specific)

### Functions

Q-VD-OPH (1135695-98-5) is a potent and highly effective pan-caspase inhibitor with potent antiapoptotic activity which is not toxic to cells. Displays protective effects on brain damage and bacterial infection in a murine MCAO stroke model. Switches doxorubicin-induced apoptosis to an alternative default cell death mode marked by increased expression of senescence markers. Blocks staurosporin-induced differentiation of embryonic stem cells to cardiomyocytes. Trophoblasts treated with ceramide and Q-VD-OPH undergo necroptosis.

### Application Procedures

First dissolved in DMSO (up to 15 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

### Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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