

TECHNICAL DATA SHEET

Q-VD-OPH

Catalog Number: TNB-1002-M001

PRODUCT INFORMATION

Contents: Q-VD-OPH

Reactivity: General Caspase Inhibitor

Formulation: Lyophilized in dimethyl sulfoxide (DMSO)

DESCRIPTION

Q-VD-OPH is a cell permeable peptide which binds irreversibly to the catalytic site of intracellular enzymes known as caspases, which play an important role in the induction of apoptosis. The binding of Q-VD-OPH to caspases inhibits the activity of these proteases, so that these peptide compounds are commonly used to inhibit the progression of apoptosis *in vitro*.

PREPARATION & STORAGE

Prepare a working, stock solution in high purity DMSO (>99.9%). A typical stock concentration of 20 mM solution may be prepared by dissolving 1 mg of Q-VD-OPH in 97uL DMSO. It is recommended to titrate the reagent to determine the optimal working concentration for your protocol.

It is recommended to store the lyophilized compound at -20°C. Reconstitute in DMSO prior to use and store small aliquots of stock solution at -20°C for up to 6 months. Avoid multiple freeze-thaws.

REFERENCES

Xargay-Torrent, S. et al. 2013. Clin. Cancer Res., 19:586-597; Beck, D. et al. 2013. Sci. Signal., 6: ra7; Khalil, H. et al. 2012. Mol. Cell. Biol., 32: 4523-4533.