

TECHNICAL DATA SHEET

Z-DEVD-FMK

Catalog Number: TNB-1003-M001

PRODUCT INFORMATION

Contents: Z-DEVD-FMK

Reactivity: Caspase-3 Inhibitor

Formulation: Lyophilized in dimethyl sulfoxide (DMSO)

DESCRIPTION

Z-DEVD-FMK is a cell permeable peptide which binds irreversibly to the catalytic site of the intracellular enzyme Caspase-3, which plays an important role in the induction of apoptosis. The binding of Z-DEVD-FMK to caspase-3 inhibits the activity of this protease, enabling it to inhibit the progression of apoptotic events downstream of caspase-3 activation.

PREPARATION & STORAGE

Prepare a working, stock solution in high purity DMSO (>99.9%). A typical stock concentration of 10 mM solution may be prepared by dissolving 1 mg of Z-DEVD-FMK in 150 uL 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

Liu, W-H., et al. 2013. Carcinogenesis, 10.1093/carcin/bgs409.; Simon, DJ. et al. 2012, J. Neurosci., 32: 17540-17553; Keating, J., 2012., Mol. Cancer ther., 11:2654-2663.