

TECHNICAL DATA SHEET

Z-IETD-FMK

Catalog Number: TNB-1004-M001

PRODUCT INFORMATION

Contents: Z-IETD-FMK

Reactivity: Caspase-8 Inhibitor

Formulation: Lyophilized in dimethyl sulfoxide (DMSO)

DESCRIPTION

Z-IETD-FMK is a cell permeable peptide which binds irreversibly to the catalytic site of the intracellular enzyme Caspase-8, which plays an important role in the induction of apoptosis. The binding of Z-IETD-FMK to caspase-8 inhibits the activity of this protease, enabling it to inhibit apoptotic events associated with caspase-8 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-IETD-FMK in 150 μ L 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

Stenbert, A. et al. 2013. *J. Leukoc. Biol.*, 93: 403-412; Hong, S. et al. 2013. *J. Biol. Chem.*, 288:3560-3570; Keating, J. et al. 2012. *Mol. Cancer Ther.*, 11: 2654-2663.