

TECHNICAL DATA SHEET

# Z-VAD(OMe)-FMK

Catalog Number: TNB-1001-M001

## PRODUCT INFORMATION

**Contents:** Z-VAD(OMe)-FMK

**Reactivity:** General Caspase Inhibitor

**Formulation:** Lyophilized in dimethyl sulfoxide (DMSO)

### DESCRIPTION

Z-VAD(OMe)-FMK 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 Z-VAD(OMe)-FMK 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 Z-VAD(OMe)-FMK in 107 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

Stevenson, L. et al. 2012. Clin. Cancer Res., 18:5412-5426; Eguchi, R. et al. 2012. Carcinogenesis 33:969-975; Zecevic, A. et al. 2011. Clin. Cancer Res., 17:4731-4741.