

Z - DEVD - AFC

Product Code: 3438-0500

Innopep
Peptide
Product

Price: \$159.00

Short Description

Z-DEVD-AFC

Description

Overview

Description

AFC (7-amino-4-trifluoromethylcoumarin)-derived caspase substrates are widely used for the fluorimetric detection of various caspase activities. Cleavage of AFC peptides by caspases generate strongly fluorescent AFC that is monitored fluorimetrically at 500-510 nm with excitation of 370-390 nm. Caspase-3 and caspase-7 substrates

Sequence

Z-DEVD-AFC

Sequence (3 Letter)

z - Asp - Glu - Val - Asp - AFC

Molecular Weight

821.6

Properties

Purity

% Peak Area By HPLC ? 95%

Storage

-20 °C desiccated and protected from light

References

Gurtu V, et al. (1997). Fluorometric and colorimetric detection of caspase activity associated with apoptosis. Anal Biochem 251, 98-102; Martins LM, et al. (1997). Activation of multiple interleukin-1 β converting enzyme homologues in cytosol and nuclei of HL-60 cells during etoposide-induced apoptosis. J Biol Chem 272, 7421-30; Deveraux QL, et al. (1997). X-linked IAP is a direct inhibitor of cell-

death proteases. Nature 388, 300-4; Xiang J, et al. (1996). BAX-induced cell death may not require interleukin 1 β -converting enzyme-like proteases. Proc Natl Acad Sci USA 93, 14559-63.