Ac-LETD-AFC

Cat. No.: HY-P2620

CAS No.: 210345-02-1

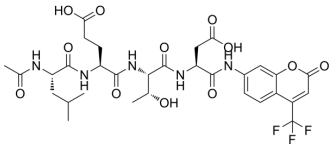
Molecular Formula: $C_{31}H_{38}F_3N_5O_{12}$

Molecular Weight: 729.65

Target: Fluorescent Dye

Pathway: Others

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ac-LETD-AFC is a caspase-8 fluorogenic substrate. Ac-LETD-AFC can measure caspase-8 fluorogenic activity and can be used for the research of cancer cell apoptosis and oxidative stress metabolism[1].
In Vitro	Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs). Caspase activity assay[1]: 1. Incubate the cells according to your normal protocol. 2. Wash cells once with PBS and centrifugate. 3. Resuspend cells in PBS at a concentration of 1×10^7 cells/mL. 4. Prepare the standard reaction buffer which includ 100 μM caspase-8 substrate AC-LETD-AFC. Prepare correspounding standard reaction buffer according to your protocol. 5. Add 15 ul of the cells suspension to a microplate, and mixed with the appropriate peptide substrate dissolved in a standard reaction buffer. 6. Measure substrate cleavage with a microplate reader with excitation wavelength of 360 nm and emission at 460 nm. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ignacio Bejarano, et al. Melatonin enhances hydrogen peroxide-induced apoptosis in human promyelocytic leukaemia HL-60 cells. Mol Cell Biochem. 2011 Jul;353(1-2):167-76.

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