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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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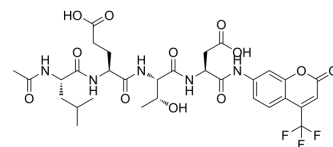
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Ac-LETD-AFC

Cat. No.:	HY-P2620
CAS No.:	210345-02-1
Molecular Formula:	C ₃₁ H ₃₈ F ₃ N ₅ O 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 include 100 μM caspase-8 substrate AC-LETD-AFC. Prepare corresponding standard reaction buffer according to your protocol. 5. Add 15 μl 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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