

Ac-WEHD-AFC

Cat. No.:	HY-P2617
CAS No.:	210344-99-3
Molecular Formula:	C ₃₈ H ₃₇ F ₃ N ₈ O ₁₁
Molecular Weight:	838.74
Sequence Shortening:	Ac-WEHD-{AFC}
Target:	Caspase
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Ac-WEHD-AFC is a fluorogenic caspase-1 substrate. Ac-WEHD-AFC can measure caspase-1 fluorogenic activity and can be used for the research of tumor and inflammation ^[1] .
IC ₅₀ & Target	Caspase-1
In Vitro	<p>Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).</p> <p>Caspase-1 Fluorogenic Activity Assay^[1]:</p> <ol style="list-style-type: none">1. Incubate the cells according to your normal protocol.2. Cells are transiently transfected with caspase-1 in combination with pcDNA3.1, Myc-clAP2, Myc-clAP1, or Myc-XIAP and collected 24 hr later.3. Cells were lysed in CHEGG buffer before sonicating for 15 s at 60% amplitude (for cleavage assays).4. Lysates were incubated with 10 mM of the fluorogenic caspase-1 substrate Ac-WEHD-AFC.5. The release of free AFC was monitored continuously for 1 hr (excitation 380 nm, emission 460 nm) in 1 min intervals and expressed as arbitrary fluorescence units per minute. <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Katherine Labbé, et al. Cellular inhibitors of apoptosis proteins clAP1 and clAP2 are required for efficient caspase-1 activation by the inflammasome. *Immunity*

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

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