

## Z-VDVAD-AFC

Cat. No.:	HY-P4400
CAS No.:	219138-08-6
Molecular Formula:	C <sub>39</sub> H <sub>45</sub> F <sub>3</sub> N <sub>6</sub> O <sub>13</sub>
Molecular Weight:	862.8
Sequence:	{Z}-Val-Asp-Val-Ala-Asp-{AFC}
Sequence Shortening:	{Z}-VDVAD-{AFC}
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	Z-VDVAD-AFC is a fluorogenic substrate. Z-VDVAD-AFC is used to measure the activity of cysteine protease 3 (Caspase-3). Z-VDVAD-AFC undergoes hydrolysis to release 7-amino-4-trifluoromethylcoumarin (AFC). AFC is fluorescent under ultraviolet light and can emit fluorescent signals <sup>[1]</sup> .
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### REFERENCES

[1]. Pallepati P, et, al. Mild thermotolerance induced at 40°C protects HeLa cells against activation of death receptor-mediated apoptosis by hydrogen peroxide. Free Radic Biol Med. 2011 Mar 15;50(6):667-79.

[2]. Pallepati P, et, al. Mild thermotolerance induced at 40°C protects HeLa cells against activation of death receptor-mediated apoptosis by hydrogen peroxide. Free Radic Biol Med. 2011 Mar 15;50(6):667-79.

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

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