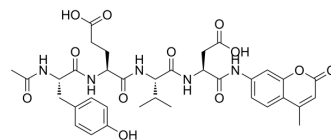


## Ac-YEVD-AMC

Cat. No.:	HY-P10142
CAS No.:	1631716-11-4
Molecular Formula:	C <sub>35</sub> H <sub>41</sub> N <sub>5</sub> O <sub>12</sub>
Molecular Weight:	723.73
Sequence:	Ac-Tyr-Glu-Val-Asp-{AMC}
Sequence Shortening:	Ac-YEVD-{AMC}
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Sealed storage, away from moisture
	Powder    -80°C    2 years
	-20°C    1 year



\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (138.17 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.3817 mL	6.9087 mL	13.8173 mL
	5 mM	0.2763 mL	1.3817 mL	2.7635 mL
	10 mM	0.1382 mL	0.6909 mL	1.3817 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Ac-YEVD-AMC is a fluorescent substrate of caspase-1/11. Ac-YEVD-AMC releases amino-4-methylcoumarin (AMC) for fluorescence detection when treating with cell lysate<sup>[1]</sup>.

### REFERENCES

[1]. Havira MS, et al. Shiga toxin suppresses noncanonical inflammasome responses to cytosolic LPS. *Sci Immunol.* 2020 Nov 27;5(53):eabc0217.

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

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