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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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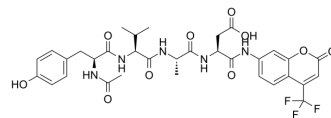
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Ac-YVAD-AFC

Cat. No.:	HY-P2377
CAS No.:	219137-85-6
Molecular Formula:	C ₃₃ H ₃₆ F ₃ N ₅ O ₁₀
Molecular Weight:	719.66
Sequence Shortening:	Ac-YVAD-{AFC}
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year



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

SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (138.95 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		1.3895 mL	6.9477 mL	13.8955 mL
		5 mM		0.2779 mL	1.3895 mL	2.7791 mL
10 mM			0.1390 mL	0.6948 mL	1.3895 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.47 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.47 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.47 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Ac-YVAD-AFC is the the fluorometric peptide substrate of caspase-1, with λ excitation of 400 nm and λ emission of 505 nm ^[1] [2].
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REFERENCES

[1]. Furuoka M, et al. TNF- α Induces Caspase-1 Activation Independently of Simultaneously Induced NLRP3 in 3T3-L1 Cells. J Cell Physiol. 2016 Dec;231(12):2761-7.

[2]. Guo RF, et al. Protective effects of anti-C5a in sepsis-induced thymocyte apoptosis. J Clin Invest. 2000 Nov;106(10):1271-80.

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

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