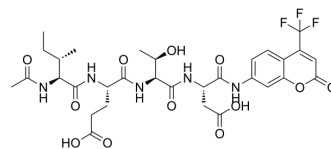


Ac-IETD-AFC

Cat. No.:	HY-P1169
CAS No.:	211990-57-7
Molecular Formula:	C ₃₁ H ₃₈ F ₃ N ₅ O ₁₂
Molecular Weight:	729.65
Target:	Caspase
Pathway:	Apoptosis
Storage:	Sealed storage, away from moisture and light 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)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (171.32 mM; Need ultrasonic)
H₂O : < 0.1 mg/mL (ultrasonic) (insoluble)

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		1.3705 mL	6.8526 mL	13.7052 mL
	5 mM		0.2741 mL	1.3705 mL	2.7410 mL
	10 mM		0.1371 mL	0.6853 mL	1.3705 mL

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

BIOLOGICAL ACTIVITY

Description

Ac-IETD-AFC is a fluorogenic substrate of caspase-8, caspase-3, caspase-10, and granzyme B^[1].

REFERENCES

[1]. [1]Kazimierz Weglarczyk, et al. Caspase-8 activation precedes alterations of mitochondrial membrane potential during monocyte apoptosis induced by phagocytosis and killing of *Staphylococcus aureus*. *Infect Immun*. 2004 May;72(5):2590-7.

[2]. Przemysław Reszka, et al. Synthesis, enzymatic evaluation, and docking studies of fluorogenic caspase 8 tetrapeptide substrates. *ChemMedChem*. 2010 Jan;5(1):103-17.

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

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