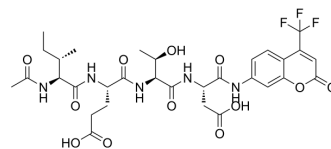


Ac-IETD-AFC

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 / Mass		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM	1.3705 mL	1.3705 mL	6.8526 mL	13.7052 mL
	5 mM	0.2741 mL	0.2741 mL	1.3705 mL	2.7410 mL
	10 mM	0.1371 mL	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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA