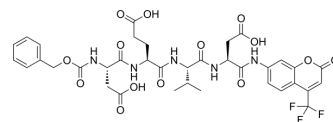


Z-DEVD-AFC

Cat. No.:	HY-P1986
CAS No.:	1135416-11-3
Molecular Formula:	C ₃₆ H ₃₈ F ₃ N ₅ O ₁₄
Molecular Weight:	821.71
Sequence Shortening:	zDEVD-AFC
Target:	Caspase
Pathway:	Apoptosis
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 : 50 mg/mL (60.85 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.2170 mL	6.0849 mL	12.1697 mL
	5 mM		0.2434 mL	1.2170 mL	2.4339 mL
	10 mM		0.1217 mL	0.6085 mL	1.2170 mL

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

BIOLOGICAL ACTIVITY

Description

Z-DEVD-AFC is a cell-permeant substrate for caspase-3, which causes a shift in fluorescence upon cleavage of the AFC fluorophore. Z-DEVD-AFC can be used to detect caspase-3-like enzymes activity^[1].

REFERENCES

[1]. Santiago AR, et al. High glucose induces caspase-independent cell death in retinal neural cells. Neurobiol Dis. 2007;25(3):464-472.

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

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