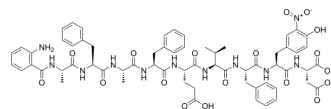


Fluorescent Substrate for Glu-Specific Proteases

Cat. No.:	HY-P3949
CAS No.:	143147-75-5
Molecular Formula:	C ₆₃ H ₇₃ N ₁₁ O ₁₈
Molecular Weight:	1272.32
Sequence Shortening:	Abz-AFAFEVfy(NO ₂)D
Target:	Fluorescent Dye
Pathway:	Others
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 : 100 mg/mL (78.60 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.7860 mL	3.9298 mL	7.8597 mL
	5 mM	0.1572 mL	0.7860 mL	1.5719 mL
	10 mM	0.0786 mL	0.3930 mL	0.7860 mL

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

BIOLOGICAL ACTIVITY

Description

Fluorescent Substrate for Glu-Specific Proteases is a V8 protease-Specific chromogenic substrate^[1].

In Vitro

V8 protease (0, 0.1, 0.5, 1.0, 5.0, 10, 20 µg/ml) is assayed with a solution of 200 µM of the synthetic substrate (Fluorescent Substrate for Glu-Specific Proteases; ABz-AFAFEVfy(NO₂)D-OH) in HEPES buffer pH 7.4 and at room temperature conditions. The fluorescence was read each 1 min for 60 min by fluorescence microplate reader^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Qudsi, et al. Development of a novel approach to influence the secretion of pathogenicity factors of Staphylococcus aureus by synthetic peptides. Fr., 04. Mai. 2012.

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