

Calpain-1 substrate, fluorogenic

Cat. No.:	HY-P10073
CAS No.:	636566-40-0
Molecular Formula:	C ₇₉ H ₉₅ N ₁₃ O ₁₉ S ₂
Molecular Weight:	1594.81
Sequence:	{Lys(FAM)}-Glu-Val-Tyr-Gly-Met-Met-{Lys(DABCYL)}
Sequence Shortening:	{Lys(FAM)}-EVYGM-{Lys(DABCYL)}
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Calpain-1 substrate, fluorogenic serves as a sensitive and specific substrate for calpain-1 that cleaves Tyr-Gly bond and results in enhanced fluorescence^[1]. (Ex/Em = 490 nm/518 nm)

REFERENCES

[1]. Sharon Dewitt, et al. Calpain Activation by Ca²⁺ and Its Role in Phagocytosis. *Adv Exp Med Biol.* 2020:1246:129-151.

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

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