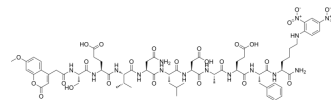


Mca-SEVNLDAEFK(Dnp)-NH₂

Cat. No.:	HY-P4920
CAS No.:	1802078-32-5
Molecular Formula:	C ₆₈ H ₈₉ N ₁₅ O ₂₆
Molecular Weight:	1532.52
Sequence:	{Mca}-Ser-Glu-Val-Asn-Leu-Asp-Ala-Glu-Phe-{Lys(Dnp)}-NH ₂
Sequence Shortening:	{Mca}-SEVNLDAEF-{Lys(Dnp)}-NH ₂
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 : 1.25 mg/mL (0.82 mM; Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	Mca-SEVNLDAEFK(Dnp)-NH ₂ contains a highly fluorescent 7-methoxycoumarin group that is efficiently quenched by resonance energy transfer to the 2,4-dinitrophenyl group. It can be used to measure the activities of peptidases that are capable of cleaving an amide bond between the fluorescent group and the quencher group, causing an increase in fluorescence, such as can be used to measure the activity of BACE-1 ^[1] .
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REFERENCES

[1]. Koike H, et.al. Thimet oligopeptidase cleaves the full-length Alzheimer amyloid precursor protein at a beta-secretase cleavage site in COS cells. J Biochem. 1999 Jul;126(1):235-42.

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

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