

Amyloid precursor C-terminal peptide

Cat. No.:	HY-P10247
CAS No.:	201293-38-1
Molecular Formula:	C ₈₆ H ₁₁₈ N ₂₀ O ₂₇ S
Molecular Weight:	1896.04
Sequence:	Gly-Tyr-Glu-Asn-Pro-Thr-Tyr-Lys-Phe-Phe-Glu-Gln-Met-Gln-Asn
Sequence Shortening:	GYENPTYKFFEQMQN
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Amyloid precursor C-terminal peptide is cleaved from the C-terminus of Amyloid Precursor Protein (APP). Amyloid precursor C-terminal peptide accumulation causes mitochondrial morphology alteration and basal mitophagy failure, which indicates that amyloid precursor protein C-terminal peptide may correspond to an etiological trigger of Alzheimer's disease (AD) pathology^[1].

REFERENCES

[1]. Vaillant-Beuchot L, et al., Accumulation of amyloid precursor protein C-terminal fragments triggers mitochondrial structure, function, and mitophagy defects in Alzheimer's disease models and human brains. *Acta Neuropathol.* 2021 Jan;141(1):39-65.

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

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