

Citrullinated amyloid- β (1-40) peptide (human)

Cat. No.:	HY-P5906
Molecular Formula:	C ₁₉₄ H ₂₉₄ N ₅₂ O ₅₉ S
Molecular Weight:	4330.79
Sequence:	Asp-Ala-Glu-Phe-{Cit}-His-Asp-Ser-Gly-Tyr-Glu-Val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val
Sequence Shortening:	DAEF-{Cit}-HDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV
Target:	Amyloid- β
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Citrullinated amyloid- β (1-40) peptide (human) (Citrullinated A β (1-40)) is a modified form of β -Amyloid (1-40) (HY-P0265) with a citrullination at the Arg5 site. Citrullinated amyloid- β (1-40) peptide (human) exhibits increased transient formation of soluble oligomers and insoluble aggregates composed of distorted parallel β -sheets compared with unmodified β -Amyloid (1-40)^[1].

REFERENCES

[1]. Osaki D, Hiramatsu H. Citrullination and deamidation affect aggregation properties of amyloid β -proteins. *Amyloid*. 2016 Dec;23(4):234-241.

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

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