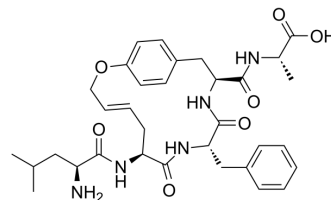


## A $\beta$ -IN-4

Cat. No.:	HY-146140
CAS No.:	2477606-97-4
Molecular Formula:	C <sub>33</sub> H <sub>43</sub> N <sub>5</sub> O <sub>7</sub>
Molecular Weight:	621.72
Target:	Amyloid- $\beta$
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

A $\beta$ -IN-4 (compound 12) is a potent amyloid  $\beta$  (A $\beta$ ) inhibitor. A $\beta$ -IN-4 inhibits A $\beta$ 42 aggregation. However, A $\beta$ -IN-4 can not alleviate the neurotoxicity of A $\beta$ 42 in SH-SY5Y cells. A $\beta$ -IN-4 can not change the aggregation state of A $\beta$ 42 into a nontoxic one<sup>[1]</sup>.

### REFERENCES

[1]. Tanaka F, et al. Design and synthesis of  $\beta$ -strand-fixed peptides inhibiting aggregation of amyloid  $\beta$ -protein. *Bioorg Med Chem*. 2020 Sep 15;28(18):115676.

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

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