

## Acetyl-Tau Peptide (273-284) amide

Cat. No.:	HY-P4832
CAS No.:	1684399-52-7
Molecular Formula:	C <sub>64</sub> H <sub>116</sub> N <sub>18</sub> O <sub>17</sub>
Molecular Weight:	1409.72
Sequence:	Ac-Gly-Lys-Val-Gln-Ile-Ile-Asn-Lys-Lys-Leu-Asp-Leu-NH <sub>2</sub>
Sequence Shortening:	Ac-GKVQIINKKLDL-NH <sub>2</sub>
Target:	Amyloid- $\beta$
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Acetyl-Tau Peptide (273-284) amide is an acetylated Tau peptide fragment. Acetyl-Tau Peptide (273-284) amide limits the substantial aggregation of Ac-A $\beta$ (25-35)-NH<sub>2</sub> and can be used as an inhibitor of Ac-A $\beta$ (25-35)-NH<sub>2</sub>. Acetyl-Tau Peptide (273-284) amide can be used as an experimental model to investigate the A $\beta$ /Tau cross-interaction <sup>[1][2]</sup>.

### REFERENCES

[1]. Di Natale G, et al. A $\beta$  and Tau Interact with Metal Ions, Lipid Membranes and Peptide-Based Amyloid Inhibitors: Are These Common Features Relevant in Alzheimer's Disease? *Molecules*. 2022 Aug 9;27(16):5066.

[2]. Do TD, et al. Interactions between amyloid- $\beta$  and Tau fragments promote aberrant aggregates: implications for amyloid toxicity. *J Phys Chem B*. 2014 Sep 25;118(38):11220-30.

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

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