

## FITC-β-Ala-Amyloid β-Protein (1-42) (ammonium)

<b>Cat. No.:</b>	HY-P3908
<b>Molecular Formula:</b>	C <sub>227</sub> H <sub>330</sub> N <sub>58</sub> O <sub>66</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	4991.53
<b>Sequence Shortening:</b>	{FITC-b-Ala}-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIA (ammonium)
<b>Target:</b>	Amyloid-β
<b>Pathway:</b>	Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	FITC-β-Ala-Amyloid β-Protein (1-42) ammonium is a FITC tagged Aβ1-42 monomer peptide. Aβ1-42 plays a key role in the pathogenesis of Alzheimer's disease <sup>[1]</sup> .
<b>In Vitro</b>	NNC 26-910 decreases nitrosative stress and microglia cell damage during LPS-induced activation and enhances phagocytosis of FITC-β-Ala-Amyloid β-Protein (1-42) ammonium (100 nM) during non-inflammatory conditions <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Joseph Schober, et al. NNC 26-9100 increases Aβ1-42 phagocytosis, inhibits nitric oxide production and decreases calcium in BV2 microglia cells. PLoS One. 2021 Jul 8;16(7):e0254242.

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

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