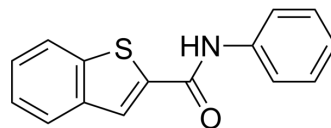


## A $\beta$ 42 agonist-2

Cat. No.:	HY-149764
CAS No.:	6314-40-5
Molecular Formula:	C <sub>15</sub> H <sub>11</sub> NOS
Molecular Weight:	253.32
Target:	Amyloid- $\beta$
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	A $\beta$ 42 agonist-2 (compound 7b) is a small molecule compound that can promote A $\beta$ 42 aggregation. A $\beta$ 42 agonist-2 can interact with A $\beta$ 42 oligomers and pentamers to promote nontoxic aggregate self-assembly and rapid fibril formation. A $\beta$ 42 agonist-2 prevents A $\beta$ 42-induced cytotoxicity in HT22 hippocampal neuronal cells <sup>[1]</sup> .
IC <sub>50</sub> & Target	A $\beta$ 42 aggregation <sup>[1]</sup>

### REFERENCES

[1]. Zhao Y et al. Small Molecules N-Phenylbenzofuran-2-carboxamide and N-Phenylbenzo[b]thiophene-2-carboxamide Promote Beta-Amyloid (A $\beta$ 42) Aggregation and Mitigate Neurotoxicity. ACS Chem Neurosci. 2023 Nov 16.

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

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