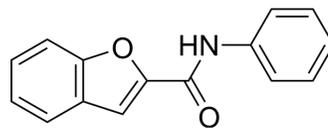


## A $\beta$ 42 agonist-1

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-149763   |
| CAS No.:           | 50635-12-6  |
| Molecular Formula: | C <sub>15</sub> H <sub>11</sub> NO <sub>2</sub>   |
| Molecular Weight:  | 237.25  |
| 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-1 (compound 7a) is a small molecule compound that can promote A $\beta$ 42 aggregation. A $\beta$ 42 agonist-1 can interact with A $\beta$ 42 oligomers and pentamers to promote nontoxic aggregate self-assembly and rapid fibril formation. A $\beta$ 42 agonist-1 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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