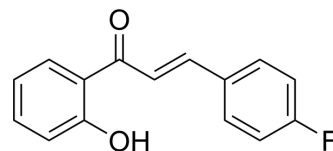


MAO-B-IN-19

| | |
|--------------------|---|
| Cat. No.: | HY-W335927 |
| CAS No.: | 152897-41-1 |
| Molecular Formula: | C ₁₅ H ₁₁ FO ₂ |
| Molecular Weight: | 242.25 |
| Target: | Monoamine Oxidase |
| Pathway: | Neuronal Signaling |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|--|
| Description | MAO-B-IN-19 is a selective MAO-B inhibitor with an IC ₅₀ of 0.67 μM. MAO-B-IN-19 shows neuroprotective and anti-inflammatory properties ^[1] . |
| IC ₅₀ & Target | MAO-B 0.67 μM (IC ₅₀) |
| In Vitro | MAO-B-IN-19 (compound 3f) significantly inhibits self-induced Aβ ₁₋₄₂ aggregation and shows remarkable neuroprotective effects on Aβ ₂₅₋₃₅ -induced PC12 cell injury. MAO-B-IN-19 is a selective metal chelator and could inhibit Cu ²⁺ -induced Aβ ₁₋₄₂ aggregation ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Rui Chen, et al. Development of the "hidden" multi-target-directed ligands by AChE/BuChE for the treatment of Alzheimer's disease. Eur J Med Chem. 2023 May 5;251:115253.

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

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