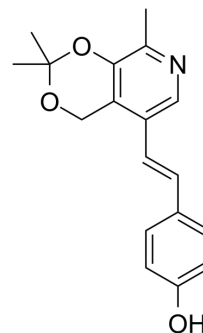


MAO-B-IN-13

Cat. No.:	HY-147953
CAS No.:	2105918-34-9
Molecular Formula:	C ₁₈ H ₁₉ NO ₃
Molecular Weight:	297.35
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-13 (compound 12a) is a highly potent, reversible and blood-brain barrier (BBB) penetrant MAO-B inhibitor with an IC ₅₀ value of 10 nM. MAO-B-IN-13 has neuroprotective and antioxidant activity. MAO-B-IN-13 can be used for researching Parkinson's disease ^[1] .
IC₅₀ & Target	MAO-B 10 nM (IC ₅₀)
In Vitro	MAO-B-IN-13 (compound 12a) (1 μM, 10 μM and 50 μM; 48 hours) has neuroprotective effect on H ₂ O ₂ -induced PC-12 cell injury ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Li W, et al. Pyridoxine-resveratrol hybrids as novel inhibitors of MAO-B with antioxidant and neuroprotective activities for the treatment of Parkinson's disease. Bioorg Chem. 2020 Apr;97:103707.

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

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