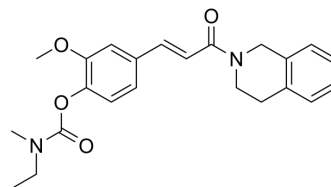


MAO-B-IN-10

Cat. No.:	HY-146347
CAS No.:	2376710-36-8
Molecular Formula:	C ₂₃ H ₂₆ N ₂ O ₄
Molecular Weight:	394.46
Target:	Monoamine Oxidase; Amyloid-β
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MAO-B-IN-10 (compound 4f) is a potent, selective, BBB-penetrated MAO-B (monoamine oxidase-B) inhibitor, with IC ₅₀ of 5.3 μM. MAO-B-IN-10 can inhibit (58.2%) and disaggregate (43.3%) self-mediated Aβ (amyloid β) aggregation. MAO-B-IN-10 can be used for Alzheimer's disease research ^[1] .	
IC₅₀ & Target	MAO-B 5.3 ± 0.22 μM (IC ₅₀)	MAO-A 15.9 ± 0.1 μM (IC ₅₀)

REFERENCES

[1]. Sang Z, et al. Design, synthesis and biological evaluation of novel O-carbamoyl ferulamides derivatives as multi-target-directed ligands for the treatment of Alzheimer's disease. *Eur J Med Chem.* 2020 May 15;194:112265.

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

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