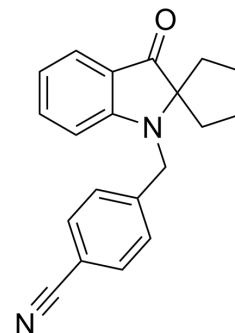


MAO-B-IN-24

Cat. No.:	HY-149528
Molecular Formula:	C ₂₀ H ₁₈ N ₂ O
Molecular Weight:	302.37
Target:	Monoamine Oxidase; Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MAO-B-IN-24 (compound 11h) is a selective, reversible, competitive inhibitor of MAO-B (IC ₅₀ : 1.60 μM). MAO-B-IN-24 also inhibited MAO-A (22.42 μM); at 10 μM concentration, it also reduced AChE and BChE activities to 54.58% and 88.43% ^[1] .
IC ₅₀ & Target	IC ₅₀ : 1.60 μM (human MAO-B), 22.42 μM (human MAO-A) ^[1]

REFERENCES

[1]. Perumal K, et al. An efficient method to access spiro pseudoindoxyl ketones: evaluation of indoxyl and their N-benzylated derivatives for inhibition of the activity of monoamine oxidases. RSC Adv. 2023 Aug 22;13(36):24925-24935..

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

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