MAO-B-IN-16

Cat. No.: HY-151208

CAS No.: 1021238-13-0

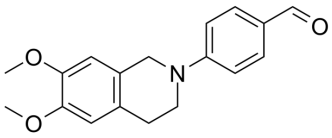
Molecular Formula: $C_{18}H_{19}NO_3$

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-16 is a selective monoamine oxidase B (MAO-B) inhibitor, with an IC_{50} of 1.55 μM. MAO-B-IN-16 can be used in the study of central nervous disorders, such as parkinson's disease[1].

IC_{50} & Target	hMAO-B	hMAO-A
	1.55 μM (IC_{50})	⊠100 μM (IC_{50})

In Vitro

MAO-B-IN-16 (compound 4h) (10 μM; 24 h) has no cytotoxic effect on human neuroblastoma cells[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Viability Assay[1]

Cell Line:	SH-SY5Y cells
Concentration:	10 μM
Incubation Time:	24 h
Result:	Showed no cytotoxic effect on cells with cellular viability of 99%.

REFERENCES

[1]. Yamada M, et al. Design, Synthesis, and Monoamine Oxidase B Selective Inhibitory Activity of N-Arylated Heliamine Analogues. ACS Medicinal Chemistry Letters, 2022.

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

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