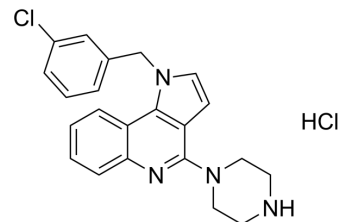


## PZ-1922

Cat. No.:	HY-155330
Molecular Formula:	C <sub>22</sub> H <sub>22</sub> Cl <sub>2</sub> N <sub>4</sub>
Molecular Weight:	413.34
Target:	5-HT Receptor; Monoamine Oxidase
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

PZ-1922 (Compound 16) is a BBB-penetrable 5-HT<sub>6</sub>R/5-HT<sub>3</sub>R antagonist (K<sub>i</sub>: 17 nM, 0.45 nM for 5-HT<sub>6</sub>R/5-HT<sub>3</sub>R respectively). PZ-1922 reversibly inhibits MAO-B (pIC<sub>50</sub>: 8.93). PZ-1922 reverses Scopolamine (SCOP) (HY-N0296) induced memory deficits in the novel object recognition (NOR) test in rats. PZ-1922 prevents Aβ-induced memory decline in the T-maze test<sup>[1]</sup>.

## REFERENCES

[1]. Grychowska K, et al. Superiority of the Triple-Acting 5-HT<sub>6</sub>R/5-HT<sub>3</sub>R Antagonist and MAO-B Reversible Inhibitor PZ-1922 over 5-HT<sub>6</sub>R Antagonist Intepirdine in Alleviation of Cognitive Deficits in Rats. *J Med Chem.* 2023 Oct 5.

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

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