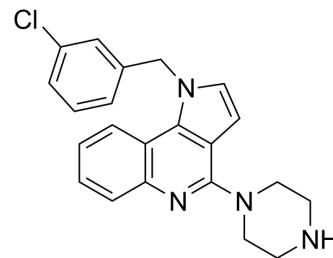


PZ-1922 free base

Cat. No.:	HY-155330A
CAS No.:	1648745-65-6
Molecular Formula:	C ₂₂ H ₂₁ ClN ₄
Molecular Weight:	376.88
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 free base is a BBB-penetrable 5-HT_{6R}/5-HT_{3R} antagonist (K_i: 17 nM, 0.45 nM for 5-HT_{6R}/5-HT_{3R} respectively). PZ-1922 free base reversibly inhibits MAO-B (pIC₅₀: 8.93). PZ-1922 free base reverses Scopolamine (SCOP) (HY-N0296) induced memory deficits in the novel object recognition (NOR) test in rats. PZ-1922 free base prevents Aβ-induced memory decline in the T-maze test^[1].

REFERENCES

[1]. Grychowska K, et al. Superiority of the Triple-Acting 5-HT_{6R}/5-HT_{3R} Antagonist and MAO-B Reversible Inhibitor PZ-1922 over 5-HT_{6R} Antagonist Intepirdine in Alleviation of Cognitive Deficits in Rats. *J Med Chem.* 2023 Nov 9;66(21):14928-14947.

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

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