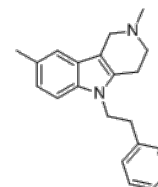


Product Name : AVN-101
Cat. No. : PC-61504
CAS No. : 1025725-91-0
Molecular Formula : C₂₁H₂₄N₂
Molecular Weight : 304.437
Target : 5-HT Receptor
Solubility : 10 mM in DMSO



Biological Activity

AVN-101 is a highly potent, orally bioavailable, BBB permeable **5-HT₇** receptor antagonist with K_i of 153 pM, with slightly lesser potency toward 5-HT₆, 5-HT_{2A} and 5HT-2C (K_i = 1.2-2.0 nM).

AVN-101 also exhibits a rather high affinity toward histamine H₁ (K_i = 0.58 nM) and adrenergic α_{2A}, α_{2B}, and α_{2C} (K_i = 0.41-3.6 nM) receptors.

AVN-101 demonstrates reasonable anxiolytic and anti-depressive activities in animal models of CNS diseases with low safety concerns.

References

Ivachtchenko AV, et al. J Alzheimers Dis. 2016 May 25;53(2):583-620.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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