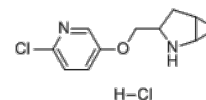


Product Name : SUVN-911
Cat. No. : PC-72169
CAS No. : 2414674-71-6
Molecular Formula : C₁₁H₁₄Cl₂N₂O
Molecular Weight : 261.146
Target : nAChR
Solubility : 10 mM in DMSO



Biological Activity

SUVN-911 (Ropanicant) is a novel, potent, selective, orally active **α4β2 nAChR** receptor antagonist with K_i of 1.5 nM. SUVN-911 displays negligible binding affinity toward the ganglionic α3β4 receptor apart from showing selectivity over 70 other targets.

SUVN-911 is orally bioavailable and showed good brain penetration in rats.

SUVN-911 demonstrated significant antidepressant activity and dose-dependent receptor occupancy in rats, does not affect the locomotor activity at doses several folds higher than its efficacy dose and is devoid of cardiovascular and gastrointestinal side effects,

SUVN-911 shows potential therapeutic utility in the treatment of depression.

References

Ramakrishna Nirogi, et al. *J Med Chem.* 2020 Mar 26;63(6):2833-2853.

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

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