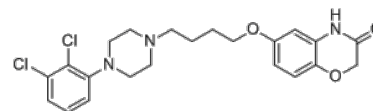


Product Name : RP-5063
Cat. No. : PC-63187
CAS No. : 1239729-06-6
Molecular Formula : C₂₂H₂₅Cl₂N₃O₃
Molecular Weight : 450.36
Target : Dopamine Receptor
Solubility : 10 mM in DMSO



Biological Activity

RP-5063 (Brilaroxazine) is a multimodal dopamine and serotonin modulator with partial agonist activity at DA D₂, D₃, D₄, 5-HT_{1A}, and 5-HT_{2ARs}, and antagonist activity at 5-HT_{2B}, 5-HT₆ and 5-HT_{7Rs}.

RP-5063 produces dose-dependent reductions in pulmonary blood vessel wall thickness and proportion of muscular vessels, blocks MCT-induced increases in the plasma cytokines TNF α , IL-1 β , and IL-6 in vivo.

RP-5063 prevents Sugen 5416-hypoxia-induced pulmonary arterial hypertension in rats.

RP-5063 improves declarative memory and psychosis in mouse models of schizophrenia.

References

Bhat L, et al. *Eur J Pharmacol.* 2017 Sep 5;810:83-91.

Rajagopal L, et al. *Behav Brain Res.* 2017 Aug 14;332:180-199.

Bhat L, et al. *Eur J Pharmacol.* 2017 Sep 5;810:92-99.

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

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