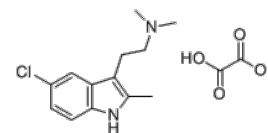


Product Name : ST1936 oxalate
Cat. No. : PC-73301
CAS No. : 1782228-83-4
Molecular Formula : C₁₅H₁₉ClN₂O₄
Molecular Weight : 326.777
Target : 5-HT Receptor
Solubility : 10 mM in DMSO



Biological Activity

ST1936 oxalate is a potent, selective **5-HT₆** receptor agonist with K_i of 13 nM, >10-fold selectivity over 5-HT₇ and 5-HT_{2B} receptors.

ST1936 displays moderate affinity for human α₂ adrenergic receptors (K_i = 300 nM).

ST1936 was shown to increase Ca²⁺ concentration and phosphorylation of Fyn kinase, and regulate the activation of ERK1/2 in cloned cells.

ST1936 reduced the frequency of spontaneous excitatory postsynaptic currents with IC₅₀ of 1.3 μM, inhibited corticostriatal glutamatergic transmission.

References

Riccioni T, et al. *Eur J Pharmacol.* 2011 Jul 1;661(1-3):8-14.

Borsini F, et al. *J Psychopharmacol.* 2015 Jul;29(7):802-11.

Tassone A, et al. *Neuropharmacology.* 2011 Sep;61(4):632-7.

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

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