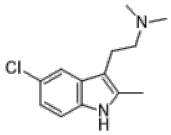
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	ST1936
Cat. No.	:	PC-23913
CAS No.	:	1210-81-7
Molecular Formula	:	$C_{13}H_{17}ClN_2$
Molecular Weight	:	236.74
Target	:	5-HT Receptor
Solubility	:	10 mM in DMSO



CAS: 1210-81-7

Biological Activity

ST1936 is a potent, selective 5-HT6 receptor agonist with Ki of 13 nM, >10-fold selectivity over 5-HT7 and 5-HT2B receptors.
ST1936 displays moderate affinity for human α2 adrenergic receptors (Ki = 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 uM, 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.

E-mail: tech@probechem.com