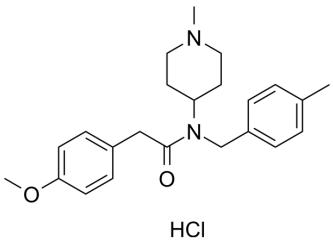
AC-90179

Cat. No.:	HY-117118A
CAS No.:	359878-19-6
Molecular Formula:	$C_{23}H_{31}ClN_2O_2$
Molecular Weight:	402.96
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AC-90179 is a selective 5-HT2A receptor inverse agonist (K_i = 2.1 nM) and 5-HT2C antagonist, a potential antipsychotic compound[1].
In Vivo	AC-90179 (1-10 mg/kg i.p., 30 min) completely reversed the DOI (0.3-3 mg/kg i.p., 15 min)-induced suppression of response rates, whereas at lower doses of AC-90179 (1 mg/kg i.p., 30 min), only partial reversal of DOI-induced inhibition was observed in C57BL/6 mice[1]. AC-90179(1 or 3 mg/kg s.c.) can attenuate phencyclidine (3 mg/kg i.p., 15 min)-induced hyperactivity of NSA mice[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kimberly E. Vanover, et al. Pharmacological Characterization of AC-90179 [2-(4-Methoxyphenyl)-N-(4-methyl-benzyl)-N-(1-methyl-piperidin-4-yl)-acetamide Hydrochloride]: A Selective Serotonin 2A Receptor Inverse Agonist. Journal of Pharmacology and Experimental Therapeutics September 2004, 310 (3) 943-951

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