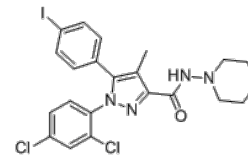


Product Name : AM251
Cat. No. : PC-20082
CAS No. : 183232-66-8
Molecular Formula : C₂₂H₂₁Cl₂IN₄O
Molecular Weight : 555.24
Target : Cannabinoid Receptor
Solubility : 10 mM in DMSO



Biological Activity

AM251 (AM 251) is a potent, selective **CB1** receptor antagonist (inverse agonist) with IC₅₀ of 8 nM, K_i of 7.49 nM, displays 306-fold selectivity over CB2 receptors.

AM251 also is a potent GPR55 agonist (EC₅₀=39 nM) and μ-opioid receptor antagonist (K_i=251 nM).

AM251 blocked the WIN 55,212-2-induced inhibition of evoked inhibitory postsynaptic currents (IPSCs).

Pretreatment with AM 251 (3 mg kg⁻¹) antagonized the pressor and vasoconstrictor effects of HU 210 and WIN-55212-2 in conscious rats.

References

Gatley SJ, et al. *Eur J Pharmacol.* 1996 Jul 4;307(3):331-8.

Diana MA, et al. *J Neurosci.* 2002 Jan 1;22(1):200-8.

Gardiner SM, et al. *Br J Pharmacol.* 2002 Jun;136(4):581-7.

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

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