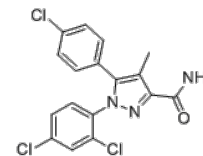


Product Name : AM4113
Cat. No. : PC-21521
CAS No. : 614726-85-1
Molecular Formula : C₁₇H₁₂Cl₃N₃O
Molecular Weight : 380.65
Target : Cannabinoid Receptor
Solubility : 10 mM in DMSO



Biological Activity

AM4113 is a high affinity, selective cannabinoid CB1 neutral antagonist with K_i of 0.89 nM, exhibits 100-fold selectivity over CB2 receptors.

AM4113 does not change the forskolin-stimulated cAMP accumulation in CB1-transfected HEK cells up to concentrations of 10 μM.

AM4113 attenuated the AM411-induced locomotor suppression (p<0.01 at 2 mg/ kg; p<0.05 at 4 mg/kg) and analgesia.

AM4113 (4.0 mg/kg) alone significantly suppressed locomotor activity compared to vehicle.

AM4113 suppressed food-reinforced operant responding with rats responding on fixed ratio (FR) 1 and 5 schedules of reinforcement in a dose-dependent manner, and also suppressed feeding on high-fat, high-carbohydrate, and lab chow diets.

References

Sink KS, et al. Neuropsychopharmacology. 2008 Mar;33(4):946-55.

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

E-mail: tech@probechem.com