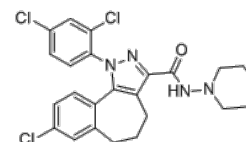


Product Name : NESS-0327
Cat. No. : PC-60757
CAS No. : 494844-07-4
Molecular Formula : C₂₄H₂₃Cl₃N₄O
Molecular Weight : 489.8
Target : Cannabinoid Receptor
Solubility : 10 mM in DMSO



Biological Activity

NESS-0327 (NESS0327) is a potent, selective **CB1** cannabinoid receptor antagonist with K_i of 350 fM, >60,000-fold selective for the CB1 receptor versus CB2 receptor ($K_i=21$ nM).

NESS-0327 antagonizes WIN 55,212-2-stimulated [35S]GTPgammaS binding, antagonizes the inhibitory effects of WIN 55,212-2 on electrically evoked contractions in mouse isolated vas deferens preparations with pA₂ 12.46.

NESS-0327 inhibits the antinociceptive effect produced by WIN 55,212-2 (2 mg/kg s.c.) in both tail-flick (ID₅₀=0.042 mg/kg i.p.) and hot-plate test (ID₅₀=0.018 mg/kg i.p.).

References

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Tambaro S, et al. *Eur J Pharmacol.* 2005 Nov 21;525(1-3):150-3.

Murineddu G, et al. *J Med Chem.* 2005 Nov 17;48(23):7351-62.

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

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