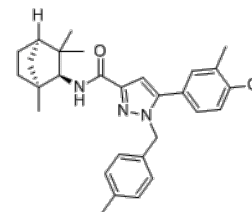


Product Name : SR144528
Cat. No. : PC-60753
CAS No. : 192703-06-3
Molecular Formula : C₂₉H₃₄ClN₃O
Molecular Weight : 476.05
Target : Cannabinoid Receptor
Solubility : 10 mM in DMSO



Biological Activity

SR144528 is a highly potent, selective and orally active antagonist of **CB2** receptor with K_i of 0.6 nM.

SR144528 displays 700-fold lower affinity (K_i= 400 nM) for CB1 receptors, and no affinity for any of the more than 70 receptors, ion channels or enzymes (IC₅₀>10 μM).

SR144528 antagonizes the inhibitory effects of CP 55,940 on forskolin-stimulated adenylyl cyclase activity with EC₅₀ of 10 nM in cell-based assays, selectively blocks the MAPK activity induced by CP 55,940 with IC₅₀ of 39 nM.

SR144528 displaces the ex vivo [3H]-CP 55,940 binding to mouse spleen membranes (ED₅₀=0.35 mg/kg) with a long duration of action.

References

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Carayon P, et al. *Blood*. 1998 Nov 15;92(10):3605-15.

Griffin G, et al. *Eur J Pharmacol*. 1999 Jul 14;377(1):117-25.

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

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