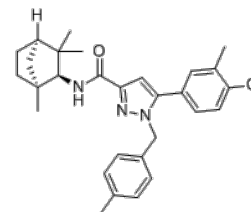


Product Name : SR 144528
Cat. No. : PC-60753
CAS No. : 192703-06-3
Molecular Formula : C₂₉H₃₄ClN₃O
Molecular Weight : 476.05
Target : Cannabinoid Receptor
Solubility : 10 mM in DMSO



Biological Activity

SR 144528 is a highly potent, selective and orally active antagonist of **CB2** receptor with K_i of 0.6 nM.

SR 144528 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 ($IC_{50} > 10$ μ M).

SR 144528 antagonizes the inhibitory effects of CP 55,940 on forskolin-stimulated adenylyl cyclase activity with EC_{50} of 10 nM in cell-based assays, selectively blocks the MAPK activity induced by CP 55,940 with IC_{50} of 39 nM.

SR 144528 displaces the ex vivo [³H]-CP 55,940 binding to mouse spleen membranes ($ED_{50} = 0.35$ mg/kg) with a long duration of action.

References

Rinaldi-Carmona M, et al. *J Pharmacol Exp Ther*. 1998 Feb;284(2):644-50.

Portier M, et al. *J Pharmacol Exp Ther*. 1999 Feb;288(2):582-9.

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!

E-mail: tech@probechem.com