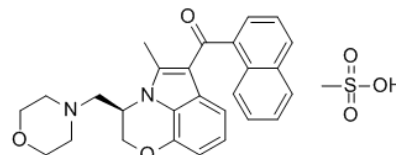


Product Name : WIN 55,212-2 mesylate
Cat. No. : PC-43469
CAS No. : 131543-23-2
Molecular Formula : C₂₈H₃₀N₂O₆S
Molecular Weight : 522.61
Target : Cannabinoid Receptor
Solubility : DMSO: ≥ 34 mg/mL



Biological Activity

WIN 55,212-2 mesylate (WIN 55212-2) is a potent **cannabinoid receptor** agonist with Ki of 62.3 and 3.3 nM for human recombinant CB1 and CB2 receptors, respectively.

WIN 55,212-2 increases extracellular glutamate levels, displaying a bell-shaped concentration-response curve at 0.01-100 nM.

WIN 55,212-2 increases dialysate glutamate levels the prefrontal cortex from of the awake rats, also demonstrates anticonvulsant effect in vivo pre-treated with 20 mg/kg of pioglitazone.

References

Felder CC, et al. Mol Pharmacol. 1995 Sep;48(3):443-50.

Griffin G, et al. J Pharmacol Exp Ther. 1998 May;285(2):553-60.

D'Ambra TE, et al. J Med Chem. 1992 Jan;35(1):124-35.

Martellotta MC, et al. Neuroscience. 1998 Jul;85(2):327-30.

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

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