

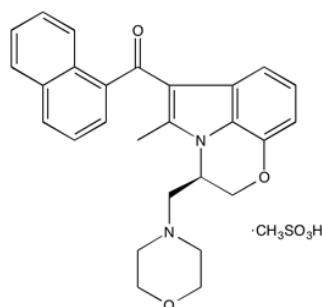
Catalog # 10-2002

WIN-55,212-2 mesylate

CAS# 131543-23-2

(R)-(+)-[2,3-Dihydro-5-methyl-3-(4-morpholinylmethyl)pyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]-1-naphthalenylmethanone · mesylate

Lot # X101429



High affinity cannabinoid receptor agonist ($K_i = 62.3$ nM for recombinant human CB_1 and 3.3 nM for recombinant human CB_2)¹ with analgesic² and anti-inflammatory activities. Activates p42 and p44 MAP kinase via cannabinoid receptor-mediated receptor signaling.³

- 1) Felder *et al.* (1995), *Comparison of the pharmacology and signal transduction of the human cannabinoid CB₁ And CB₂ receptors*; Mol. Pharmacol., **48** 443
- 2) Herzberg *et al.* (1997), *the analgesic effects of R(+)-WIN 55,212-2 mesylate, a high affinity cannabinoid agonist in a rat model of neuropathic pain*; Neurosci. Lett., **221** 157
- 3) Bouaboula *et al.* (1995), *Activation of mitogen-activated protein kinases by stimulation of the central cannabinoid receptor CB₁*; Biochem. J., **312** 637

PHYSICAL DATA

Molecular Weight:	522.62
Molecular Formula:	$C_{27}H_{26}N_2O_3 \cdot CH_3SO_3H$
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml)
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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