



LKT Laboratories, Inc.

WIN 55,212-2 Mesylate

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Product Information

Product ID W317520

CAS No. 131543-23-2

Chemical Name (R)-(+)-[2,3-Dihydro-5-methyl-3[(4-morpholinyl)methyl]pyrrolo[1,2,3-de]-1,4-benzoxazinyl]-(1-naphthalenyl)methanone mesylate salt

Synonym WIN 55212-2 methanesulfonate, WIN 552122 mesylate

Formula C₂₈H₃₀N₂O₆S

Formula Wt. 522.61

Melting Point

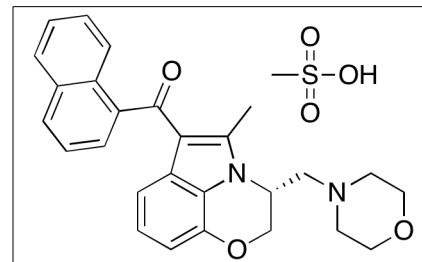
Purity ≥98%

Solubility DMSO (12 mg/mL)

Store Temp -20°C

Ship Temp Ambient

Description WIN 55,212-2 (WIN) is a potent, non-selective synthetic cannabinoid agonist. It shows activity in a variety of disease states. Recent work demonstrates the ability of WIN as a pain analgesic, anti-cancer and anti-Alzheimer's compound. In studies using colon carcinoma cell lines, WIN decreases cell proliferation of colon cancer cells. Additionally WIN down-regulated protein phosphatase 2A, a different mechanism than other cannabinoid agonists. WIN also decreases the effects of Amyloid 1-42 effects on primary mouse astrocyte cell culture. WIN inhibits the over-expression of interleukin-1 and tumor necrosis factor- α , common signs of A over expression. Additionally, in a murine pain model, WIN decreased the response to pain stimuli in mouse models of cancer pain.
TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
W317520	5 mg	\$68.30
W317520	25 mg	\$131.30
W317520	100 mg	\$404.30

References Aquirre-Rueda D, Guerra-Ojeda S, Aldasoro M et al. WIN 55,212-2, agonist of cannabinoid receptors, prevents amyloid beta1-42 effects on astrocytes in primary culture. PLoS One. 2015 Apr 13;10(4):e0122843. PMID: 25874692.

Sreevalsan S, and Safe S. The cannabinoid WIN 55,212-2 decreases specificity protein transcription factors and the oncogenic cap protein eIF4E in colon cancer cells. Mol Cancer Ther. 2013 Nov;12(11):2483-93. PMID: 24030632.

Uhelski ML, Cain DM, Harding-Rose C, and Simone DA. The non-selective cannabinoid receptor agonist WIN 55,212-2 attenuates responses of C-fiber nociceptors in a murine model of cancer pain. Neuroscience. 2013 Sep 5; 247:84-94. PMID: 23673278.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.