Drug Status Report

Drug: WIN 55,212-2

Drug Name Status: WIN 55,212-2 is the common name.

Chemical Name:
(+)-(2,3-dihydro-5-methyl-3-(4-morpholinylmethyl)pyrrolo(1,2,3-de)-1,4-benzoaxzin-6-y1)-1-naphthalenyl-methanone

Chemical structure:

![Chemical Structure Diagram]

Molecular Formula: C_{27}H_{26}N_{2}O_{3}

Pharmacological class / Application:

International status:

US: The substance is not listed on the schedules to the US Controlled Substances Act.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Item 1 of Schedule II to the CDSA is, “Cannabis, its preparations, derivatives and similar synthetic preparations.” WIN 55,212-2 is a well known cannabinoid receptor agonist, an activity characteristic of the cannabinoids. Status decisions have been made on several other cannabinoid receptor agonists and antagonists. See decisions for anandamide; methanandamide; WIN 555212; JWH 015; O-2050, CP55940, AM630, AM251 and SR 141716A. Cannabinoid receptor agonists have been declared to be included within item 1 of Schedule II to the CDSA by virtue of being “similar synthetic preparations.” Cannabinoid receptor antagonists have been declared to fall outside item 1 of Schedule II to the CDSA.

Recommendation: WIN 55,212-2 is included in item 1 of Schedule II to the CDSA and is a controlled substance.

October 15, 2009