

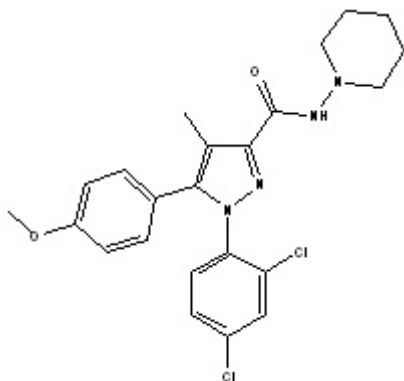
Drug Status Report

Drug: NIDA-41020

Drug Name Status: NIDA-41020 is the common name.

Chemical Name: N-piperidino-5-(4-methoxyphenyl)-1-(2,4-dichlorophenyl)-4-methyl-3-pyrazole-carboxamide

Chemical structure:



Molecular Formula: $C_{23}H_{24}Cl_2N_4O_2$

Pharmacological class / Application: cannabinoid receptor antagonist

International status:

US: NIDA-41020 is not listed in the Schedules to the CSA and is not mentioned on the DEA website

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control. The drug is not listed on the Green List - List of Psychotropic Substances under International Control.

Canadian Status: NIDA-41020 is a cannabinoid receptor antagonist and has been shown to display greater selectivity towards the CB_1 receptors than the CB_2 receptors¹. 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, however, have been declared to fall outside item 1 of Schedule II to the CDSA. Accordingly, NIDA-41020 is not included under item 1 of Schedule II to the CDSA.

¹Miller, DK. *et al.* (2007) Analogs of SR-141716A (Rimonabant) alter d-amphetamine-evoked [3H] dopamine overflow from preloaded striatal slices and amphetamine-induced hyperactivity, *Life Sci.* **81**:63-71.

Recommendation: NIDA-41020 is not included in item 1 of Schedule I to the CDSA and is not a controlled substance.

April 7th, 2010.