STATUS DECISION OF CONTROLLED AND NON-CONTROLLED SUBSTANCE(S)

Substance: MJ 15

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

- Controlled ☐
- Not Controlled X

under the schedules of the Controlled Drugs and Substances Act (CDSA) for the following reason(s):

- The substance is a synthetic cannabinoid and displays receptor antagonist activity.

Prepared by: ____________________________ Date: _________________

Zack Li

Verified by: ____________________________ Date: _________________

Mark Kozlowski

Approved by: ____________________________ Date: _________________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: "third party information removed as per agreement with applicant"
Drug Status Report

Drug: MJ 15

Drug Name Status: MJ 15 is the common name.

Chemical Name: 5-(4-Chlorophenyl)-1-(2,4-dichlorophenyl)-4-methyl-N-(3-pyridinylmethyl)-1H-pyrazole-3-carboxamide

Other Names: MJ15

Chemical structure:

![Chemical structure of MJ 15]

Molecular Formula: C_{23}H_{17}Cl_{3}N_{4}O

Pharmacological class / Application: Synthetic cannabinoid

CAS-RN: 944154-76-1

International status:

US: MJ 15 is not listed specifically in the Schedules to the US Controlled Substances Act and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances under International Control.

Canadian Status: MJ 15 is not listed in the schedules to the CDSA. The substance is a synthetic cannabinoid and in recent studies evaluating its anti-obesity effects, MJ 15 has been found to demonstrate potent CB\textsubscript{1} cannabinoid receptor antagonist activity (Ki = 27.2 pM)\textsuperscript{1}. Cannabinoid receptor agonists are currently included under the heading “Cannabis, its preparations, derivatives and similar synthetic preparations” of item 1 in Schedule II to the CDSA, whereas cannabinoid receptor antagonists are specifically excluded. Given that MJ 15 is a cannabinoid receptor antagonist, it cannot be included under item 1 of Schedule II to the CDSA.

Recommendation: MJ 15 is not included in the Schedules to the CDSA and is not a controlled substance.

Date: May 30th, 2012.