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

Substance: O-1918

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

- Controlled
- Not Controlled

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

- The substance is a cannabinoid receptor antagonist and is not captured under item 1 of Schedule II to the CDSA.

Prepared by: ________________________________ Date: June 20, 2011

Zack Li

Verified by: ________________________________ Date: ______________

Mark Kozlowski

Approved by: ________________________________ Date: ______________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Andree Bernard, Compliance and Enforcement
Drug Status Report

Drug: O-1918

Drug Name Status: O-1918 is the common name.

Chemical Name: 1,3-dimethoxy-5-methyl-2-[1R,6R)-3-methyl-6-(1-methylethyl)-2-cyclohexen-2-yl]benzene

Other Names: Abnormal-cannabidiol analogue

Chemical structure:

O-1918

Ab normal-cannabidiol

Molecular Formula: C_{19}H_{26}O_{2}

CAS-RN: 536697-79-7

Pharmacological class / Application: Vasodilator

International status:

US: O-1918 is not listed on 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: O-1918 is used as a vasodilator in animal studies\(^1\) and is not currently listed in the CDSA. Although the substance has a cannabinoid structure, it has been reported in the scientific literature to demonstrate cannabinoid receptor antagonist activity\(^2\). Cannabinoid receptor antagonists have been declared not to fall under the heading “Cannabis, its preparations, derivatives and similar synthetic preparations” of item 1 of Schedule II to the CDSA therefore, O-1918 cannot considered a controlled substance. The review of its analogue, abnormal cannabidiol, was conducted and the substance was also deemed not controlled under the CDSA.

**Recommendation:** O-1918 is not included in the Schedule II to the CDSA and is not a controlled substance.

**Date:** June 20, 2011

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