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

Substance: AM-2233

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 an efficacious cannabinoid receptor agonist and is included under item 1 of Schedule II to the CDSA.

Prepared by: ____________________________ Date: October 21st, 2011
Vincent Marleau

Verified by: ____________________________ Date: __________
Mark Kozlowski

Approved by: ____________________________ Date: _________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Cathy Copeland
Drug Status Report

**Drug:** AM-2233

**Drug Name Status:** AM-2233 is the common name.

**Chemical Name:** 1-[(N-methylpiperidin-2-yl)methyl]-3-(2-iodobenzoyl)indole

**Chemical structure:**

![Chemical structure of AM-2233](image)

**Molecular Formula:** $\text{C}_{22}\text{H}_{23}\text{IN}_{2}\text{O}$

**Pharmacological class / Application:** Cannabinoid receptor agonist

**CAS-RN:** 444912-75-8

**International status:**

US: AM-2233 is not listed in the Controlled Substances Act and is not mentioned anywhere on the DEA website as a controlled substance.

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: AM-2233 is not specifically listed in the schedules to the CDSA. The substance has been reported in the literature to be an efficacious cannabinoid receptor (CB1) agonist. Cannabinoid receptor antagonists have been declared to fall outside of item 1 of Schedule II to the CDSA “Cannabis, its preparations, derivatives and similar synthetic preparations, including” whereas cannabinoid receptor agonists have been declared to be included under item 1 of Schedule II. Accordingly, AM-2233 must be included under item 1 of Schedule II to the CDSA.

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**Recommendation:** AM-2233 is included in item 1 of Schedule II to the CDSA and is a controlled substance.

**Date:** October 21st, 2011