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

Substance: AM-1235

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):

- It has not been established as to whether this substance is an efficacious cannabinoid receptor agonist and therefore it cannot included under item 1 of Schedule II to the CDSA.

Prepared by: ___________________________ Date: __________

Vincent Marleau

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:** AM-1235

**Drug Name Status:** AM-1235 is the common name.

**Chemical Name:** [1-(5-fluoropentyl)-6-nitro-1H-indol-3-yl]-1-naphthalenyl-methanone

**Other Names:** AM 1235;

**Chemical structure:**

![Chemical Structure Image]

**Molecular Formula:** C_{24}H_{21}FN_{2}O_{3}

**Pharmacological class / Application:** Synthetic cannabinoid

**CAS-RN:** 335161-27-8

**International status:**

US: AM-1235 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 substances are 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-1235 is not listed in the CDSA. The substance is a synthetic cannabinoid, which has been reported in the scientific literature to display strong binding affinities for the CB₁ cannabinoid receptor (Ki= 1.5 nM) and the CB₂ cannabinoid receptor (Ki= 20.4 nM).¹ “Cannabis, its preparations, derivative and similar synthetic preparations” are currently controlled under item 1 of Schedule II to the CDSA. However, while AM-1235 has been reported to display a high binding affinity to both CB₁ and CB₂ receptors, there are

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presently no reports in the scientific literature on the efficacy of AM-1235 as a cannabinoid receptor agonist. Therefore, the substance cannot be included under Item 1 of Schedule II to the CDSA.

**Recommendation:** AM-1235 is not included under Item 1 of Schedule II to the CDSA and is not a controlled substance.

**Date:** August 24th, 2012.