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

Substance: AM-1248

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-1248

Drug Name Status: AM-1248 is the common name.

Chemical Name: [1-[(1-methyl-2-piperidinyl)methyl]-1H-indol-3-yl]tricyclo[3.3.1.13,7]dec-1-yl-methanone

Other Names: AM 1248.

Chemical structure:

![Chemical structure diagram]

Molecular Formula: C_{26}H_{34}N_{2}O

Pharmacological class / Application: Synthetic cannabinoid

CAS-RN: 335160-66-2

International status:

US: AM-1248 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: AM-1248 is not listed in the CDSA. The substance is a synthetic cannabinoid, which has been reported in the scientific literature to display low binding affinities for the CB_{1} cannabinoid receptor (Ki= 100 nM) and the CB_{2} cannabinoid receptor (Ki= 332 nM).\(^1\) “Cannabis, its preparations, derivative and similar synthetic preparations” are listed as item 1 in Schedule II to the CDSA. Therefore, since AM-1248 has been reported to display a low binding affinity to both CB_{1} and CB_{2} receptors and there are presently no reports in the

scientific literature on the efficacy of AM-1248 as a cannabinoid receptor agonist, the substance cannot be included under Item 1 of Schedule II to the CDSA.

**Recommendation:** AM-1248 is not included under Item 1 of Schedule II to the CDSA and is not a controlled substance.

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