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

Substance:  I-GP 1a
II-GP 2a

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

- Controlled  X
- Not Controlled  □

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

- The substances are synthetic cannabinoid receptor agonists and must be 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:**
I-GP 1a  
II-GP 2a

**Drug Name Status:**
I-GP 1a  
II-GP 2a are the common names.

**Chemical Name:**
I- N-(Piperidin-1-yl)-1-(2,4-dichlorophenyl)-1,4-dihydro-6-methylindenono[1,2-c]pyrazole-3-carboxamide  
II- N-Cyclohexyl-1-(2,4-dichlorophenyl)-1,4-dihydro-6-methylindenono[1,2-c]pyrazole-3-carboxamide

**Chemical structure:**

![Chemical Structure I](image1)

![Chemical Structure II](image2)

**Molecular Formula:**
I-C_{23}H_{22}Cl_{2}N_{4}O; II-C_{24}H_{23}Cl_{2}N_{3}O

**Pharmacological class / Application:** Synthetic cannabinoids

**CAS-RN:** I-N/A; II-919077-81-9

**International status:**

US: GP 1a and GP 2a are not listed specifically in the Schedules to the US *Controlled Substances Act* and are 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: The substances are not listed in the schedules to the CDSA. GP 1a and GP 2a are synthetic cannabinoids and have been found to be potent CB2 receptor agonists *in vitro*, having binding affinities of $K_i=0.037 \text{nM}$ and $K_i=0.037 \text{nM}$ to CB2, respectively.\(^1\) Cannabinoid receptor agonists are considered captured under the heading “Cannabis, its preparations, derivatives and similar synthetic preparations” of item 1 in Schedule II to the CDSA, whereas

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PMID: [17149879](https://www.ncbi.nlm.nih.gov/pubmed/17149879)
cannabinoid receptor antagonists are specifically excluded. Given that GP 1a and GP 2a are cannabinoid receptor agonists, they must be included under item 1 of Schedule II to the CDSA.

**Recommendation:** GP 1a and GP 2a are included under item 1 of Schedule II to the CDSA and are controlled substances.

**Date:** June 5th, 2012.