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

Substance: 1-[(1-pentyl-4-ene)-1H-indol-3-yl]-4-(methyl-1-naphthyl)methanone

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

Controlled ☐
Not Controlled X

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

• The substance is a synthetic cannabinoid but there is currently no information in the scientific literature regarding its efficacy as a 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: Julie Delahunt, Canada Border Services Agency
Drug Status Report

**Drug:** 1-[(1-pentyl-4-ene)-1H-indol-3-yl]-(4-methyl-1-naphthyl)methanone

**Drug Name Status:** Methylated JWH-022 is the common name.

**Chemical Name:** 1-[(1-pentyl-4-ene)-1H-indol-3-yl]-(4-methyl-1-naphthyl)methanone

**Chemical structure:**

![Chemical structure image]

**Molecular Formula:** C_{25}H_{23}NO

**Pharmacological class / Application:** Synthetic cannabinoid

**CAS-RN:** N/A

**International status:**

US: 1-[(1-pentyl-4-ene)-1H-indol-3-yl]-(4-methyl-1-naphthyl)methanone 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: 1-[(1-pentyl-4-ene)-1H-indol-3-yl]-(4-methyl-1-naphthyl)methanone is not listed specifically in the Schedules to the CDSA. The substance is a synthetic cannabinoid, which has been identified in an “herbal incense” product. However, there is currently no information in the scientific literature regarding its efficacy as a cannabinoid receptor agonist. 1-[(1-pentyl-4-ene)-1H-indol-3-yl]-(4-methyl-1-naphthyl)methanone is structurally similar to JWH-022, which has been declared previously as not controlled. Cannabinoid receptor agonists have been declared to be included under item 1 of Schedule II to the CDSA while cannabinoid receptor antagonists are specifically excluded. Given that there is currently no information in the scientific literature on the efficacy of this substance as a cannabinoid receptor agonist, the substance cannot be included under item 1 of Schedule II to the CDSA.

**Recommendation:** 1-[(1-pentyl-4-ene)-1H-indol-3-yl]-(4-methyl-1-naphthyl)methanone is not included under item 1 of Schedule II to the CDSA and is not a controlled substance.
Date: April 4th, 2012.