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

Substance:  JWH-210

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

Prepared by: __________________________________________ Date: Nov 16th 2010
Evelyn Soo

Verified by: __________________________________________ Date: __________
Marianne Tang

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: JWH-210

Drug Name Status: JWH-210 is the common name

Chemical Name: (1-Hexyl-1H-indol-3-yl)-1-naphthalenylmethanone

Other Names: 1-Butyl-3-(4-ethyl-naphthoyl)indole

Chemical structure:

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\begin{center}
\includegraphics[width=0.5\textwidth]{chemical_structure.png}
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Molecular Formula: $C_{26}H_{27}NO$

Pharmacological class / Application: Synthetic cannabinoid

CAS-RN: 824959-81-1

International status:

US: JWH-210 is not currently listed in the schedules to 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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: JWH-210 is not currently listed in the Schedules to the CDSA. The substance has been reported in the scientific literature to display very strong affinity towards the cannabinoid CB₁ receptor and unpublished data from in vitro GTPγS assays have shown JWH-

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210 to be a potent, efficacious CB₁ cannabinoid receptor agonist².

Cannabinoid receptor agonists have been declared included under item 1 of Schedule II to the CDSA while cannabinoid receptor antagonists have been declared excluded from item 1 of Schedule II. Considering that JWH-210 is a potent and efficient cannabinoid receptor agonist, it must be included under item 1 of Schedule II to the CDSA.

**Recommendation:** JWH-210 is included under item 1 of Schedule II to the CDSA and is a controlled substance.

**Date:** 15 November 2010

²Personal communication with Prof J Huffman, see email