Health Canada Santé Canada

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

Substance: I- JWH-250 4-hydroxypentyl metabolite
II- JWH-250 5-hydroxypentyl metabolite

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 substances are metabolites of JWH-250 and are not included under item 1 of Schedule II to the CDSA.

Prepared by: _____ Date: December 16th, 2011
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"

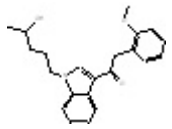
Drug Status Report

Drug: I- JWH-250 4-hydroxypentyl metabolite
II- JWH-250 5-hydroxypentyl metabolite

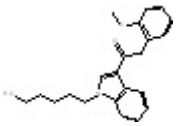
Drug Name Status: I- JWH-250 4-hydroxypentyl metabolite
II- JWH-250 5-hydroxypentyl metabolite are the common names.

Chemical Name: I- 1-(1-(4-hydroxypentyl)-1H-indol-3-yl)-2-(2-methoxyphenyl)ethanone
II- 1-(1-(5-hydroxypentyl)-1H-indol-3-yl)-2-(2-methoxyphenyl)ethanone

Chemical structure:



I



II

Molecular Formula: I- $C_{22}H_{25}NO_3$; II- $C_{22}H_{25}NO_3$

CAS RN: I- N/A; II- N/A

Pharmacological class / Application: Metabolites of cannabinoid receptor ligand

International status:

US: JWH-250 4-hydroxypentyl metabolite and JWH-250 5-hydroxypentyl metabolite are not listed on 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: JWH-250 4-hydroxypentyl metabolite and JWH-250 5-hydroxypentyl metabolite are not currently listed in the Schedules to the CDSA. The substances are known to be derivatives of JWH-250, which was reviewed previously and considered not included under item 1 of Schedule II to the CDSA: “Cannabis, its preparations, derivatives and similar synthetic preparations, including”. Accordingly, JWH-250 4-hydroxypentyl metabolite and JWH-250 5-hydroxypentyl metabolite are not captured under item 1 of Schedule II to the CDSA and are considered not controlled.

Recommendation: JWH-250 4-hydroxypentyl metabolite and JWH-250 5-hydroxypentyl metabolite are not included under Item 1 of Schedule II to the CDSA and are not controlled substances.

Date: December 16th, 2011