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:  

\[ \text{Chemical structure image} \]

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