



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

Substance: I - JWH-073 4-butanoic acid metabolite
II - JWH-073 4-hydroxybutyl metabolite
III - JWH-018 5-hydroxypentyl metabolite
IV - JWH-018 5-pentanoic acid metabolite

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

Controlled [checked]
Not Controlled [unchecked]

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

- The substances are metabolites of JWH-073 or JWH-018 and are included under item 1 of Schedule II to the CDSA.

Prepared by: Evelyn Soo Date: Jan 4th 2011

Verified by: Marianne Tang Date:

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

This status was requested by: "third party information removed as per agreement with applicant"

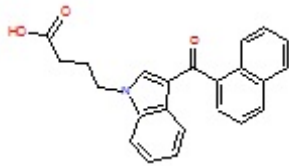
Drug Status Report

Drug: I - JWH-073 4-butanoic acid
II - JWH-073 4-hydroxybutyl
III - JWH-018 5-hydroxypentyl
IV - JWH-018 5-pentanoic acid

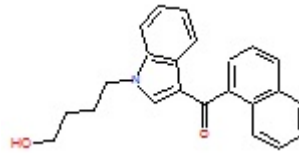
Drug Name Status: I - JWH-073 N-butanoic acid metabolite
II - JWH-073 N-(4-hydroxybutyl) metabolite
III - JWH-018 N-(5-hydroxypentyl) metabolite
IV - JWH-018 N-pentanoic acid metabolite are the common names.

Chemical Name: I - 4-(3-(1-naphthoyl)-1H-indol-1-yl)-butanoic acid
II - 1-(5-hydroxybutyl)-1H-indol-3-yl)(naphthalen-1-yl)methanone
III - 1-(5-hydroxypentyl)-1H-indol-3-yl)(naphthalen-1-yl)methanone
IV - 5-(3-(1-naphthoyl)-1H-indol-1-yl)pentanoic acid

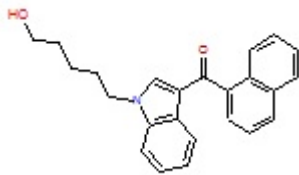
Chemical structure:



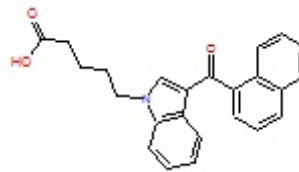
I



II



III



IV

Molecular Formula: I - $C_{23}H_{19}NO_3$; II - $C_{23}H_{21}NO_2$; III - $C_{24}H_{23}NO_2$; IV - $C_{24}H_{21}NO_3$

Pharmacological class / Application: Metabolites of cannabinoid receptor agonists

CAS-RN: Unknown

International status:

US: JWH-073 N-butanoic acid metabolite, JWH-073 N-(4-hydroxybutyl) metabolite, JWH-018 N-(5-hydroxypentyl) metabolite and JWH-018 N-pentanoic acid metabolite are not listed in the schedules to the CSA and are not mentioned anywhere on the DEA website. However, it is noteworthy that JWH-018 and JWH-073 are among the five synthetic cannabinoids that became temporarily controlled on November 24, 2010 under the emergency scheduling authority of the DEA, and as metabolites of JWH-073 and JWH-018, these substances may also be considered controlled under the analogue provision of the CSA.

United Nations: The substances is not listed specifically 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-073 N-butanoic acid metabolite, JWH-073 N-(4-hydroxybutyl) metabolite, JWH-018 N-(5-hydroxypentyl) metabolite and JWH-018 N-pentanoic acid metabolite are not listed specifically in the Schedules to the CDSA. However, both JWH-018 and JWH-073 have been reviewed and are controlled under item 1 of Schedule II to the CDSA under the heading "Cannabis, its preparations, derivatives and similar synthetic preparations, including". As metabolites of JWH-073 and JWH-018, these substances must also be included under item 1 of Schedule III to the CDSA on the basis that these are derivatives of JWH-073 and JWH-018.

Recommendation: JWH-073 N-butanoic acid metabolite, JWH-073 N-(4-hydroxybutyl) metabolite, JWH-018 N-(5-hydroxypentyl) metabolite and JWH-018 N-pentanoic acid metabolite are included under item 1 of Schedule II to the CDSA and are controlled substances.

Date: 4 January 2011