Drug Status Report

**Drug:** JWH-018

**Drug Name Status:** JWH-018 is the common name.

**Other Names:** 1-pentyl-3-(1-naphthoyl)indole

**Chemical Name:** Naphthalen-1-yl-(1-pentylindol-3-yl

**Chemical structure:**

![Chemical structure of JWH-018]

**Molecular Formula:** C_{24}H_{23}NO

**Pharmacological class / Application:** cannabinoid receptor agonist

**International status:**

US: The substance is not currently listed on the schedules to the US Controlled Substances Act and is not mentioned 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-018 is a synthetic cannabinoid\(^1\).\(^2\) As a cannabinoid receptor agonist\(^3\),\(^4\) it

\(^1\) Nalluri, BN et al. 15\(^{th}\) Annual Symposium on the Cannabinoids (2005).

\(^2\) [Link to WIPOTDB](http://www.wipo.int/pctdb/en/wo.jsp?wo=2007001891&IA=US2006023387&DISPLAY=DESC)


is considered to be included in item 1 of Schedule II to the CDSA. Status decisions have been made on several other cannabinoid receptor agonists and antagonists. See decisions for anandamide; methanandamide; WIN 555212; JWH 015; O-2050, CP55940, AM630, AM251 and SR 141716A. Cannabinoid receptor agonists have been declared to be included within item 1 of Schedule II to the CDSA by virtue of being “similar synthetic preparations.” Cannabinoid receptor antagonists have been declared to fall outside item 1 of Schedule II to the CDSA.

Recommendation: JWH-018 is included in item 1 of Schedule II to the CDSA and is a controlled substance.

August 7, 2008