Drug Status Report

**Drug:** HU-211

**Drug Name Status:** HU-211 is the common name.

**Other Names:** Dexanabinol; (6aS,10aS)-9-(hydroxymethyl)-6,6-dimethyl-3-(2-methyloctan-2-yl)-6a,7,10,10a-tetrahydrobenzo[c]chromen-1-ol; (+)-11-OH-Δ8-THC-DMH

**Chemical Name:** (6aS-trans)-3-(1,1-Dimethylheptyl)-6a,7,10,10a-tetrahydro-1-hydroxy-6,6-dimethyl-6H-dibenzo(b,d)pyran-9-methanol

**Chemical structure:**

![Chemical structures](HU-211.png) ![Chemical structures](Δ9-THC.png) ![Chemical structures](Δ8-THC.png) ![Chemical structures](Nabilone.png)

**Molecular Formula:** C$_{25}$H$_{38}$O$_3$

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

**International status:**

US: The substance is not listed on the schedules to the US Controlled Substances Act. HU-210 is not controlled\(^1\) in the US.

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.

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\(^1\) [http://www.deadiversion.usdoj.gov/drugs_concern/spice/spice_hu211.htm](http://www.deadiversion.usdoj.gov/drugs_concern/spice/spice_hu211.htm)
Canadian Status: Item 1 of Schedule II to the CDSA is, “Cannabis, its preparations, derivatives and similar synthetic preparations including:”. Six chemical substances are listed under this heading: cannabidiol; cannabinol; nabilone; pyrahexyl; tetrahydrocannabinol; and DMPH. The chemical structures of HU-211, Δ9-THC, Δ8-THC and nabilone are shown above. HU-210 is a synthetic substance that is structurally similar to other cannabinoids listed in Schedule II to the CDSA. HU-211 is also a cannabinoid receptor agonist².

Based on the similarity of its structure to the cannabinoids listed on Schedule II to the CDSA, HU-211 should be considered to be included in Schedule II to the Act.

Recommendation: HU-211 is included in item 1 of Schedule II to the CDSA and is a controlled substance.

July 16, 2009