



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

Substance: Tetrahydrocannabinol-C4

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 substance is a naturally-occurring cannabinoid and therefore is included under item 1 of Schedule II to the CDSA.

Prepared by: Evelyn Soo Date: 13 Aug 2010

Verified by: Marianne Tang Date:

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

This status was requested by: Wissam Sader

## Drug Status Report

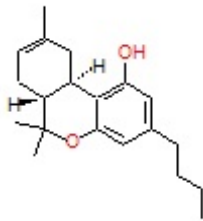
**Drug:** Tetrahydrocannabinol-C4

**Drug Name Status:** Butyl-delta(9)-tetrahydrocannabinol is the common name.

**Chemical Name:** 6H-Dibenzo(b,d),pyran-1-ol, 3-butyl-6a,7,8,10a-tetrahydro-6,6,9-trimethyl, (6aR-trans)-

**Other Names:** THC-C4; Butyl-THC; Butyl-delta(9)-THC

**Chemical structure:**



**Molecular Formula:** C<sub>20</sub>H<sub>28</sub>O<sub>2</sub>

**Pharmacological class / Application:** Cannabinoid

**CAS-RN:** 60008-00-6

**International status:**

US: Tetrahydrocannabinol-C4 is not currently listed explicitly on the schedules to the US Controlled Substances Act and is not mentioned on the DEA website. However, it may be controlled by the CSA due to the analogue provisions of that Act.

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: Tetrahydrocannabinol-C4 is not listed specifically in the Schedules to the CDSA. However, the substance has been reported in the scientific literature to be a naturally-occurring cannabinoid<sup>1</sup> and is the C4 homologue of tetrahydrocannabinol which is listed as item 1(7) in Schedule II to the CDSA. As a naturally-occurring cannabinoid, the substance is included under the heading "Cannabis, its preparations, derivatives and similar synthetic

---

<sup>1</sup>Smith, RM. (1997) Identification of butyl cannabinoids in marijuana, J. Forensic Sciences, 42:610-618

preparations” of item 1 of Schedule II to the CDSA.

**Recommendation:** Tetrahydrocannabinol-C4 is included under item 1 of Schedule II to the CDSA and is a controlled substance.

**Date:** 13 August 2010.