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

Substance:  Cannabinol-O-glucuronide

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 substance is metabolite of cannabinol and included under sub-item 1(3) of Schedule II to the CDSA.

Prepared by: ____________________________ Date: Oct 20th 2010
Evelyn Soo

Verified by: ____________________________ Date: __________
Marianne Tang

Approved by: ____________________________ Date: __________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Wissam Sader
Drug Status Report

**Drug:** Cannabinol-O-glucuronide

**Drug Name Status:** Cannabinol-O-glucuronide is the common name

**Chemical Name:** 6,6,9-Trimethyl-3-pentyl-6H-dibenzo(b,d)pyran-1-yl-beta-D-Glucopyranosiduronic acid

**Other Names:** 3-n-amyl-6,6,9-trimethyl-6-dibenzopyran-1-yl-beta-D-glucopyranosiduronic acid

**Chemical structure:**

![Chemical structure of Cannabinol-O-glucuronide](image)

**Molecular Formula:** C\(_{27}\)H\(_{34}\)O\(_8\)

**Pharmacological class / Application:** Metabolite of cannabidiol

**CAS-RN:**

**International status:**

US: The substance is not listed specifically in the Controlled Substances Act and is not mentioned anywhere 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: Cannabinol-O-glucuronide has been shown in the scientific literature to be a metabolite of cannabidiol\(^1\), which is currently listed in the CDSA under item 2(3) of Schedule II to the CDSA, under the heading “Cannabis, its preparations, derivatives and similar synthetic preparations, including:”. As a metabolite of cannabidiol, it is included under item 2(3) of Schedule II by virtue of being a derivative of cannabidiol.

**Recommendation:** Cannabinol-O-glucuronide is included under item 2(3) of Schedule II to the CDSA and is a controlled substance.

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Date: 20 October 2010