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

Substance: Androstandiol-17-glucuronide

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

- Controlled \( \times \)
- Not Controlled \( \square \)

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

- The substance is a metabolite of the anabolic steroid dihydrotestosterone and is captured under item 23 of Schedule IV to the CDSA.

Prepared by: ___________________________ Date: 2\textsuperscript{nd} April 2012

Evelyn Soo

Verified by: ___________________________ Date: __________________

Mark Kozlowski

Approved by: ___________________________ Date: __________________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Eva Roig, Office of Controlled Substances
Drug Status Report

**Drug:** Androstandiol-17-glucuronide

**Drug Name Status:** Androstandiol-17-glucuronide is the common name.

**Chemical Name:** 5alpha-Androstan-3beta,17beta-diol, 17-glucuronide

**Other Names:** 5alpha-Androstan-3beta,17beta-diol glucuronide; 3beta,5alpha-Hydroxyandrostan-17-yl-glucopyranosiduronic acid; 3beta,5alpha-Androstanediol glucuronide

**Chemical structure:**

![Chemical structure diagram]

**Molecular Formula:** C_{25}H_{40}O_{8}

**Pharmacological class / Application:** Steroid

**CAS-RN:** Unknown (Parent: 571-20-0)

**International status:**

US: Androstandiol-17-glucuronide is not listed in the Schedules to the US *Controlled Substances Act* (CSA) 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, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances under International Control.

Canadian Status: Androstandiol-17-glucuronide is not listed specifically in the Schedules to the CDSA. The substance has been reported in the scientific literature to be a metabolite of the anabolic steroid dihydrotestosterone (DHT)\(^1\), which is captured under item 23 “Anabolic steroids and their derivatives” of Schedule IV to the CDSA. As a metabolite of DHT, androstandiol-17-

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glucuronide is considered a derivative of DHT and therefore must be included under item 23 of Schedule IV to CDSA.

**Recommendation:** Androstandiol-17-glucuronide is included under item 23 of Schedule IV to the CDSA and is a controlled substance.

**Date:** April 2\textsuperscript{nd}, 2012.