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

Substance: 5alpha-Androstan-3 alpha-17beta-diol

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 a metabolite of dihydrotestosterone and is controlled under Item 23(2) of Schedule IV to the CDSA.

Prepared by: _______________________________ Date: June 15, 2011
Zack Li

Verified by: _______________________________ Date: ____________
Mark Kozłowski

Approved by: _______________________________ Date: ____________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Umer Sheikh, OCS
Drug Status Report

**Drug:** 5alpha-Androstan-3 alpha-17beta-diol

**Drug Name Status:** 5alpha-Androstan-3 alpha-17beta-diol is the common name.

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

**Chemical structure:**

![Chemical structure of 5alpha-Androstan-3 alpha-17beta-diol]

**Pharmacological class / Application:** Anabolic steroids and derivatives

**International status:**

US: 5alpha-Androstan-3 alpha-17beta-diol is not listed on the schedules to the US 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, 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: 5alpha-Androstan-3 alpha-17beta-diol is a metabolite of dihydrotestosterone (DHT) and an agonist for the human and canine SHBG receptor\(^1\). Dihydrotestosterone is listed in the CDSA as Item 23(2) of Schedule IV; as a derivative of an anabolic steroid,

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5alpha-Androstan-3 alpha-17beta-diol is also captured under item 23(2) of Schedule IV to the CDSA and is a controlled substance.

**Recommendation:** 5alpha-Androstan-3 alpha-17beta-diol is included under item 23(2) of Schedule IV to the CDSA and is a controlled substance.

**Date:** June 15, 2011