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

Substance:  
I - 5,6-Dehydro-17a-methyl-d3 epiandrosterone 
II - 7-Oxo-3,5,6-dehydro epiandrosterone-d3

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

  Controlled  ✓
  Not Controlled  □

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

  • The substances are derivatives of dehydroepiandrosterone and are controlled under Item 23(36) of Schedule IV to the CDSA.

Prepared by: _______________________________ Date:  August 2, 2011  
Vincent Marleau

Verified by: _______________________________ Date: ___________
Mark Kozlowski

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

This status was requested by: "third party information removed as per agreement with applicant"
Drug Status Report

**Drug:**
- I - 5,6-Dehydro-17α-methyl-d3 epiandrosterone
- II - 7-Oxo-3,5,6-dehydro epiandrosterone-d3

**Drug Name Status:**
- I - 5,6-Dehydro-17α-methyl-d3 epiandrosterone
- II - 7-Oxo-3,5,6-dehydro epiandrosterone-d3

**Chemical Name:**
- I - 5,6-Dehydro-17α-methyl epiandrosterone
- II - 7-Oxo-3,5,6-dehydro epiandrosterone-d3

**Other Names:**
- I - (3β,17β)-17-(methyl-d3)-androst-5-ene-3,17-diol
- II - N/A

**Chemical structure:**

![Chemical structures](image)

**Molecular Formula:**
- I - C\textsubscript{20}H\textsubscript{29}D\textsubscript{3}O\textsubscript{2}; II - C\textsubscript{20}H\textsubscript{25}D\textsubscript{3}O\textsubscript{3}

**CAS-RN:**
- I - 99371-94-5
- II - N/A

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

**International status:**

US: 5,6-Dehydro-17α-methyl-d3 epiandrosterone and 7-oxo-3,5,6-dehydro epiandrosterone-d3 are not listed on the schedules to the US Controlled Substances Act and are not mentioned anywhere on the DEA website.
United Nations: The substances are 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: 5,6-Dehydro-17a-methyl-d3 epiandrosterone and 7-oxo-3,5,6-dehydro epiandrosterone-d3 are reported to be derivatives of dehydroepiandrosterone and are not listed specifically in the CDSA. Dehydroepiandrosterone is controlled as item 23(36) “Prasterone (3b-hydroxyandrost-5-en-17-one)” in Schedule IV to the CDSA. As derivatives of prasterone, 5,6-dehydro-17a-methyl-d3 epiandrosterone and 7-oxo-3,5,6-dehydro epiandrosterone-d3 are captured under item 23(36) of Schedule IV to the CDSA and are considered controlled substances.

**Recommendation:** 5,6-Dehydro-17a-methyl-d3 epiandrosterone and 7-oxo-3,5,6-dehydro epiandrosterone-d3 are included under item 23(36) of Schedule IV to the CDSA and are controlled substances.

**Date:** August 2, 2011