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

Substance: 11alpha-hydroxymethyltestosterone

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 formebolone and therefore is included under item 23(17) of Schedule IV to the CDSA.

Prepared by: __________________________________ Date: Sept 1st 2010

Evelyn Soo

Verified by: ______________________________ Date: ___________

Marianne Tang

Approved by: ______________________________ Date: ___________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Eva Roig
Drug Status Report

**Drug:** 11alpha-hydroxymethyltestosterone

**Drug Name Status:** 4-Androsten-17alpha-methyl-11alpha,17beta-diol-3-one

**Chemical Name:** Androst-4-ene-3-one, 11,17-dihydroxy-17methyl-(11alpha,17beta) -

**Chemical Structure:**

![Chemical Structure](image)

**Molecular Formula:** C_{20}H_{30}O_{3}

**Pharmacological class / Application:** steroid derivative

**CAS-RN:** 1807-02-9

**International status:**

US: The substance is not current listed in the CSA and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed the Green List - List of Psychotropic Substances under International Control nor the Yellow List - List of Narcotic Drugs under International Control.

Canadian Status: 11alpha-hydroxymethyltestosterone has been shown in the scientific literature to be a prominent urinary metabolite of formebolone\(^1\), an anabolic steroid which is currently listed as sub-item 17 under item 23 of Schedule IV to the CDSA. As a metabolite of formebolone, 11alpha-hydroxymethyltestosterone is considered to be a derivative of formebolone and therefore must be included under the heading “Anabolic steroids and their derivatives including” of item 23 of Schedule IV to the CDSA.

**Recommendation:** 11alpha-hydroxymethyltestosterone is included under item 23(17) of Schedule IV to the CDSA and is a controlled substance.

**Date:** 1 September 2010