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

Substance: 5(10)-Estren-3beta,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):

• 5(10)-Estren-3beta,17beta-diol is a derivative of androstenedione and included under item 23 of Schedule IV to the CDSA.

Prepared by: ________________________________ Date: March 15th 2011

Evelyn Soo

Verified by: ________________________________ Date: __________

Marianne Tang

Approved by: ________________________________ Date: __________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Marnie Bewer
Drug Status Report

**Drug:** 5(10)-Estren-3beta,17beta-diol

**Drug Name Status:** 5(10)-Estren-3beta,17beta-diol is the common name.

**Chemical Name:** 3beta,17beta-Dihydroxy-19-norandrost-5(10)-ene

**Other Names:** (3beta,17beta)-Estr-5(10)-ene-3,17-diol

**Chemical structure:**

![Chemical structure of 5(10)-Estren-3beta,17beta-diol]

**Molecular Formula:** $C_{18}H_{28}O_2$

**Pharmacological class / Application:** Steroid

**CAS-RN:** 4993-32-2

**International status:**

**US:** 5(10)-Estren-3beta,17beta-diol is not listed specifically in 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:** 5(10)-Estren-3beta,17beta-diol is not currently listed in the CDSA. However, the substance has been reported in the literature to be a metabolite of androstenedione which is controlled under item 23 of Schedule IV to the CDSA as an anabolic steroid. Therefore, as a metabolite of androstenedione, the substance falls under the heading “Anabolic steroids and their derivatives:” and must be included under item 23 of Schedule IV to the CDSA.

**Recommendation:** 5(10)-Estren-3beta,17beta-diol is included under item 23 of Schedule IV to the CDSA and is a controlled substance

**Date:** 15 March 2011