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

Substance: 1,3,5(10)-Estratrien-3,17β-diol diglucosiduronate

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

- Controlled ☐
- Not Controlled X

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

- The substance is a derivative of 1,3,5(10)-estratrien-3,17β-diol and does not display any anabolic activity.

Prepared by: _______________________________ Date: 2nd 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**: 1,3,5(10)-Estratrien-3,17beta-diol diglucosiduronate

**Drug Name Status**: Estradiol diglucuronide is the common name.

**Chemical Name**: 1,3,5(10)-Estratrien-3,17beta-diol diglucosiduronate

**Chemical structure**:

![Chemical structure diagram]

**Molecular Formula**: C$_{30}$H$_{40}$O$_{14}$

**Pharmacological class / Application**: Steroid

**CAS-RN**: Unknown (Parent: 50-28-2)

**International status**:

US: 1,3,5(10)-Estratrien-3,17beta-diol diglucosiduronate 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: 1,3,5(10)-Estratrien-3,17beta-diol diglucosiduronate is not listed in the Schedules to the CDSA. The substance is a derivative of 1,3,5(10)-estratrien-3,17beta-diol (estradiol) which is not an anabolic steroid nor captured under item 23 “Anabolic steroids and their derivatives” of Schedule IV to the CDSA. In addition, there is no evidence that 1,3,5(10)-estratrien-3,17beta-diol diglucosiduronate displays any anabolic activity. Accordingly, the substance cannot be included under item 23 of Schedule IV to CDSA.

**Recommendation**: 1,3,5(10)-Estratrien-3,17beta-diol is not included under item 23 of Schedule IV to the CDSA and is not a controlled substance.

**Date**: April 2nd, 2012.