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

Substance: 3-(Ethylenedioxy)estra-5(10),9(11)-dien-17-one

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

- [ ] Controlled
- [x] Not Controlled

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

- The substance is not structurally similar enough to amphetamine to be captured under item 1 of Schedule III to the CDSA.

Prepared by: ___________________________  Date: ____________

Vincent Marleau

Verified by: ___________________________  Date: ____________

Mark Kozlowski

Approved by: ___________________________  Date: ____________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Lorraine DSouza, QPIC-NRSS
Drug Status Report

Drug: 3-(Ethylenedioxy)estra-5(10),9(11)-dien-17-one

Drug Name Status: 3-(Ethylenedioxy)estra-5(10),9(11)-dien-17-one is the common name.

Chemical Name: 3-(Ethylenedioxy)estra-5(10),9(11)-dien-17-one

Other Names: Estradiene, 9(11)-diene; Ethylene deltenine; Estradiene dione-3-ketal; Cyclic 3-(1,2-Ethanediyl Acetal); 3-Ethylene dioxy-17-oxo estra-5(10)

Chemical structure:

Molecular Formula: C_{20}H_{26}O_{3}

Pharmacological class / Application: Pharmaceutical-related substance

CAS-RN: 5571-36-8

International status:
US: 3-(Ethylenedioxy)estra-5(10),9(11)-dien-17-one 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: 3-(Ethylenedioxy)estra-5(10),9(11)-dien-17-one is not listed in the Schedules to the CDSA. The substance is an intermediate in the synthesis of mifepristone, which was previously reviewed and not included under Item 23 of Schedule IV to the CDSA. There is currently no evidence in the scientific literature that indicates 3-(ethylenedioxy)estra-5(10),9(11)-dien-17-one displays anabolic activity or derived from an anabolic steroid. Accordingly, the substance cannot be included under item 23 “Anabolic steroids and their derivatives” of Schedule IV to the CDSA.

Recommendation: 3-(Ethylenedioxy)estra-5(10),9(11)-dien-17-one is not included in the schedules to the CDSA and is not a controlled substance.

Date: November 15th, 2012.