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

Substance: 3-O-Acetyl-3-O-methyl 17beta-Estradiol

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 has not been reported in the literature to display any anabolic activity nor is it derived from an anabolic steroid. Therefore, it cannot be included in any of the schedules to the CDSA.

Prepared by: ________________________________ Date: February 22nd, 2012
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:** 3-O-Acetyl-3-O-methyl 17beta-Estradiol

**Drug Name Status:** 3-O-Acetyl-3-O-methyl 17beta-Estradiol is the common name.

**Chemical Name:** 17-O-Acetyl-3-O-methyl 17beta-Estradiol

**Other Names:** 17β-Acetoxy-3-methoxyestra-1,3,5(10)-triene; 3-Methoxy-1,3,5(10)-estratrien-17β-ol Acetate; 3-Methoxy-17β-acetoxystra-1,3,5(10)-triene; Estradiol 17-Acetate 3-Methyl Ether; Estradiol 3-Methyl Ether 17-Acetate.

**Chemical structure:**

![Chemical structure](image)

**Molecular Formula:** $C_{21}H_{28}O_3$

**CAS-RN:** 5976-55-6

**Pharmacological class / Application:** Steroid

**International status:**

US: 3-O-Acetyl-3-O-methyl 17beta-Estradiol is not listed 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-O-Acetyl-3-O-methyl 17beta-Estradiol is not currently listed in the CDSA. The substance is a steroid and a metabolite of 3-O-methyl estradiol, which was previously reviewed and was deemed not controlled under the CDSA. As 3-O-methyl 17alpha-estradiol is not a derivative of an anabolic steroid and it cannot be included under item 23 of Schedule IV to the CDSA.

**Recommendation** 3-O-Acetyl-3-O-methyl 17beta-Estradiol is not included under the Schedules to the CDSA and is not a controlled substance.
Date: February 22nd, 2012.