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

Substance: 17ß-Acetoxy-2a-bromo-5a-androstanone

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 not an anabolic steroid or a derivative of an anabolic steroid and therefore cannot be included under Item 23 of Schedule IV to the CDSA.

Prepared by: ________________________________ Date: September 26th, 2011

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:** 17ß-Acetoxy-2a-bromo-5a-androstanone

**Drug Name Status:** 17ß-Acetoxy-2a-bromo-5a-androstanone is the common name.

**Chemical Name:** 2-bromo-17beta-hydroxy-5alpha-androstan-3-one acetate.

**Other Names:** 17beta-Acetoxy-2alpha-bromo-5alpha-androstan-3-one.

**Chemical structure:**

![Chemical structure of 17ß-Acetoxy-2a-bromo-5a-androstanone]

**Molecular Formula:** C_{21}H_{31}BrO_{3}

**CAS-RN:** 6173-35-9

**Pharmacological class / Application:** Steroid

**International status:**

US: 17ß-Acetoxy-2a-bromo-5a-androstanone is not listed on 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: 17ß-Acetoxy-2a-bromo-5a-androstanone is not currently listed in the schedules to the CDSA. The substance is a reverse inhibitor of the 3beta-hydroxysteroid dehydrogenase, an enzyme which is involved in the synthesis of progesterone from pregnenolone.\(^1\) It has not reported to display any anabolic activity, therefore the substance cannot be included under Item 23 of Schedule IV to the CDSA

**Recommendation:** 17ß-Acetoxy-2a-bromo-5a-androstanone is not included in the Schedules to the CDSA and is not a controlled substance.

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