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

Substance: 5beta-Androstan-3beta,17alpha-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):

- There is no evidence in the literature that 5beta-Androstan-3beta,17alpha-diol displays any anabolic activity or is derived from an anabolic steroid.

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: 5beta-Androstan-3beta,17alpha-diol

Drug Name Status: 5beta-Androstan-3beta,17alpha-diol is the common name.

Chemical Name: (3beta,17alpha)-Dihydroxy-5beta-androstane

Other Names: Etiocholan-3beta,17alpha-diol

Chemical structure:

\[
\begin{align*}
\text{HO} & \quad \text{HO} \\
\text{H} & \quad \text{H}
\end{align*}
\]

Molecular Formula: \( C_{19}H_{32}O_2 \)

Pharmacological class / Application: Steroid

CAS-RN: 19767-69-2

International status:

US: 5beta-Androstan-3beta,17alpha-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: 5beta-Androstan-3beta,17alpha-diol is not currently listed in the CDSA. While the substance is a steroid, it has not been reported in the scientific literature to display any anabolic activity or derived from an anabolic steroid. As such, it cannot be included under the heading “Anabolic steroids and their derivatives:” of item 23 of Schedule IV to the CSDA.

Recommendation: 5beta-Androstan-3beta,17alpha-diol is not included under item 23 of Schedule IV to the CDSA and is not considered a controlled substance

Date: 15 March 2011