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

Substance: 5alpha-Androstan-3beta-ol-16-one

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 5alpha-androstan-3beta-ol-16-one 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: 5alpha-Androstan-3beta-ol-16-one

Drug Name Status: 5alpha-Androstan-3beta-ol-16-one is the common name.

Chemical Name: 3beta-hydroxy-5alpha-androstan-16-one

Other Names: 3-hydroxyandrostan-16-one

Chemical structure:

![Chemical structure image]

Molecular Formula: C_{19}H_{30}O_{2}

Pharmacological class / Application: Steroid

CAS-RN: 571-51-7

International status:

US: 5alpha-Androstan-3beta-ol-16-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: 5alpha-Androstan-3beta-ol-16-one is not currently listed in the CDSA. The substance has been claimed in the scientific literature to be a derivative of 5alpha-androstan-3-one, which is a pheromone with no evidence of any anabolic activity. Since 5alpha-Androstan-3beta-ol-16-one does not display any anabolic activity and is not a derivative of an anabolic steroid, it cannot be included under the heading “Anabolic steroids and their derivatives:” of item 23 of Schedule IV to the CDSA.

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Recommendation: 5alpha-Androstan-3beta-ol-16-one is not included under item 23 of Schedule IV to the CDSA and is not a controlled substance

Date: 15 March 2011