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

Substance: (5alpha)-17,17-Dimethyl-18-nor-2-oxa-androst-13-en-3-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 a derivative of oxandrolone and must be included under item 23(33) of Schedule IV to the CDSA.

Prepared by: ____________________________ Date: ________________

Evelyn Soo

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: (5alpha)-17,17-Dimethyl-18-nor-2-oxa-androst-13-en-3-one

Drug Name Status: (5alpha)-17,17-Dimethyl-18-nor-2-oxa-androst-13-en-3-one is the common name.

Chemical Name: (5alpha)-17,17-Dimethyl-18-nor-2-oxa-androst-13-en-3-one

Other Names: Anhydro-oxandrolone; Oxandrolone USP related compound C

Chemical structure:

Molecular Formula: \( \text{C}_{19}\text{H}_{28}\text{O}_2 \)

Pharmacological class / Application: Steroid

CAS-RN: 142793-21-3

International status:

US: (5alpha)-17,17-Dimethyl-18-nor-2-oxa-androst-13-en-3-one is not listed specifically in the Schedules to the US Controlled Substances Act and are 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)-17,17-Dimethyl-18-nor-2-oxa-androst-13-en-3-one is not listed in the Schedules to the CDSA. The substance is an anabolic steroid and a synthetic impurity of
oxandrolone\textsuperscript{1,2} which is currently listed as sub-item 23(33) “Oxandrolone (17beta-hydroxy-17-methyl-2-oxa-5alpha-androstan-3-one)” in Schedule IV to the CDSA, under the heading “Anabolic steroids and their derivatives”. As a derivative of oxandrolone, the substance must be included under item 23(33) of Schedule IV to the CDSA.

**Recommendation:** (5alpha)-17,17-Dimethyl-18-nor-2-oxa-androst-13-en-3-one is included under item 23(33) of Schedule IV to the CDSA and is a controlled substance.

**Date:** May 24\textsuperscript{th}, 2012.

\textsuperscript{1}http://www.uspnf.com/uspnf/pub/index?usp=35&nf=30&s=1&officialOn=August 1, 2012
\textsuperscript{2}Bi, H. et al. (1992) Studies on anabolic steroids. 9. Tertiary sulfates of anabolic 17a-methyl steroids: synthesis and rearrangement, Steroids, 57:306-312