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

Substance: 2-Cyano-17alpha-methyl-17beta-hydroxy-androst-3-one

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

- Controlled ☐
- Not Controlled X

under the schedules of the Controlled Drugs and Substances Act (CDSA) for the following reason(s):

- There are no reports in the scientific literature that 2-cyano-17alpha-methyl-17beta-hydroxy-androst-3-one is an anabolic steroid or is a derivative of an anabolic steroid.

Prepared by: ___________________________ Date: _______________

Evelyn C Soo

Verified by: ___________________________ Date: _______________

Mark Kozlowski

Approved by: ___________________________ Date: _______________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Lee Bagarozza, CBSA
Drug Status Report

Drug: 2-Cyano-17alpha-methyl-17beta-hydroxy-androst-3-one

Drug Name Status: 2-Cyano-17alpha-methyl-17beta-hydroxy-androst-3-one is the common name.

Chemical Name: 2-Cyano-17alpha-methyl-17beta-hydroxy-androst-3-one

Other Names: Cynostane; 2-Cyano-dromostolone; Cyanobol

Chemical structure:

![Chemical structure diagram]

Molecular Formula: C_{21}H_{23}NO_{2}

Pharmacological class / Application: Steroid

CAS-RN: Unknown

International status:

US: 2-Cyano-17alpha-methyl-17beta-hydroxy-androst-3-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: 2-Cyano-17alpha-methyl-17beta-hydroxy-androst-3-one is not listed in the schedules to the CDSA. The substance has been reported to be an ingredient in Oxandro-var, a supplement which is marketed by NDN for body building purposes. However, there are no reports in the scientific literature that this steroid displays any anabolic activity or that it is derived from an anabolic steroid. Accordingly, 2-cyano-17alpha-methyl-17beta-hydroxy-androst-3-one cannot be included under item 23 “Anabolic steroids and their derivatives” of item 23 of Schedule IV to the CDSA.
Recommendation: 2-Cyano-17alpha-methyl-17beta-hydroxy-androst-3-one is not included in item 23 of Schedule IV to the CDSA and is not a controlled substance.

Date: April 10th, 2012.