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

Substance: Testosterone hydrazone

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 testosterone and included under item 23(40) of Schedule IV to the CDSA.

Prepared by: ___________________________ Date: ______________
Evelyn C Soo

Verified by: ___________________________ Date: ______________
Mark Kozlowski

Approved by: ___________________________ Date: ______________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Francoise Gagnon, OCS
Drug Status Report

Drug: Testosterone hydrazone

Drug Name Status: Testosterone hydrazone is the common name.

Chemical Name: 2-[(17beta)-17-Hydroxyandrost-4-en-3-ylidene]hydrazine]-N,N,N-trimethyl-2-oxo

Chemical structure:

Molecular Formula: C_{24}H_{40}N_{3}O_{2}^+

Pharmacological class / Application: Steroid derivative

CAS-RN: 727422-98-2

International status:

US: Testosterone hydrazone is not listed specifically in the Schedules to the US Controlled Substances Act (CSA) and is not mentioned anywhere on the DEA website. However, the parent drug, testosterone is included under Schedule III to the CSA.

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: Testosterone hydrazone is not listed specifically in the schedules to the CDSA. The substance is a derivative of testosterone, which is currently listed as sub-item 23(40) in Schedule IV to the CDSA under the heading “Anabolic steroids and their derivatives”. As a derivative of testosterone, the substance must therefore be included under sub-item 23(40) of Schedule IV to the CDSA.

Recommendation: Testosterone hydrazone is included under sub-item 23(40) of Schedule IV to the CDSA and is a controlled substance.

Date: May 4th, 2012.