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

Substance: Prostanozol

*Secondary review*

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 new evidence showing that this substance displays anabolic activity and therefore it must be included under item 23 of Schedule IV to the CDSA.

Prepared by: ___________________________ Date: Jan 16th 2012

Evelyn Soo

Verified by: ___________________________ Date: __________

Kim Barber

Approved by: ___________________________ Date: __________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Member of public
Drug Status Report

**Drug**: Prostanozol

**Drug Name Status**: Prostanozol is the common name.

**Chemical Name**: 
(5alpha,17beta)-17-((tetrahydro-2H-pyran-2-yl)oxy)-2'H-Androst-2-eno(3,2-c)pyrazole

**Other Names**: [3,2-c]Pyrazole-5alpha-androstano-17beta-tetrahydropyranol ether; [3,2-c]pyrazole-etioallocholan-17beta-tetrahydropyranol ether

**Chemical structure**: 

![Chemical structure diagram]

**Molecular Formula**: C_{25}H_{38}N_{2}O_{2}

**Pharmacological class / Application**: steroid

**CAS-RN**: 1186001-41-1

**International status**:

**US**: The proposal to add prostanozol to Schedule III to the CSA was published on the DEA website on 23 November 2011. In April 2011, the DEA website noted the emergence of prostanozol as a new designer steroid and called for its review for inclusion under schedule III to the CSA\(^1\) as an anabolic steroid. Following studies commissioned by the DEA confirming the anabolic activity of the prostanozol\(^2\), it is being proposed by the DEA to be a Schedule III substance.

**United Nations**: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

**Canadian Status**: Prostanozol was previously reviewed and not included under item 23 of Schedule IV to the CDSA on the basis that there was insufficient evidence in the scientific literature of the anabolic potential of this steroid. However, since this initial review, new

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\(^1\)http://www.justice.gov/dea/pubs/cngrtest/ct092909.pdf

evidence on the anabolic activity of prostanozol has become available\(^2\) and this substance is now known to display both anabolic and androgenic behaviour similar to testosterone. Accordingly, prostanozol must be included under “Anabolic steroids and their derivatives” of item 23 of Schedule IV to the CDSA.

**Recommendation:** Prostanozol is included under item 23 of Schedule IV to the CDSA is a controlled substance.

**Date:** 16 January 2012