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

Substance: Allopregnan-3alpha,20alpha-diol

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):

- The substance has not been shown in the scientific literature to display any
  anabolic activity, and is not included under item 23 of Schedule IV to the
  CDSA.

Prepared by: _______________________________ Date: August 17th 2011
Vincent Marleau

Verified by: _______________________________ Date: __________
Mark Kozlowski

Approved by: _______________________________ Date: __________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Eva Roig
Drug Status Report

**Drug:** Allopregnan-3α,20α-diol

**Drug Name Status:** Allopregnan-3α,20α-diol is the common name.

**Chemical Name:** Pregnane-3,20-diol, (3α,5α,20S)-

**Other Names:** (3α,5α,20S)-Pregnane-3,20-diol

**Chemical structure:**

![Chemical Structure](image)

**Molecular Formula:** C\textsubscript{21}H\textsubscript{36}O\textsubscript{2}

**Pharmacological class / Application:** Steroid

**CAS-RN:** 566-58-5

**International status:**

US: Allopregnan-3α,20α-diol 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: Allopregnan-3α,20α-diol is not specifically listed in the CDSA. The substance is a metabolite of progesterone and may be isolated from the urine of pregnant women\(^1\). Allopregnan-3α,20α-diol is also part of the metabolic route that

relates the two different sex hormones - progesterone for females and androstrone for males. Allopregnane-3alpha,20alpha-diol has not been reported in the scientific literature to display any anabolic activity and is not a derivative of an anabolic steroid. Therefore, it cannot be included under the heading “Anabolic steroids and their derivatives:” of item 23 of Schedule IV to the CDSA.

**Recommendation:** Allopregnane-3alpha,20alpha-diol is not included under the item 23 the Schedule IV to the CDSA and is not a controlled substance.

**Date:** 17 August 2011

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