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

Substance:  Cortivazol

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 reported to display any anabolic activity nor derived from an anabolic steroid.

Prepared by: _______________________________  Date: February 6th, 2012
Vincent Marleau

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:** Cortivazol

**Drug Name Status:** Cortivazol is the proper (INN) name.

**Chemical Name:**
11beta,17alpha,21-Trihydroxy-6,16alpha-dimethyl-2'-phenylpregna-2,4,6-trieno(3,2-c)pyrazol-20-one 21-acetate

**Other names:**
11beta,17,21-Trihydroxy-6,16alpha-dimethyl-2'-phenyl-2'H-pregna-2,4,6-trieno(3,2-c)pyrazol-20-one 21-acetate; 2'H-Pregna-2,4,6-trieno(3,2-c)pyrazol-20-one, 21-(acetyloxy)-11,17-dihydroxy-6,16-dimethyl-2'-phenyl-, (11beta,16alpha)-

**Chemical structure:**

![Chemical structure image](image)

**Molecular Formula:** $C_{32}H_{38}N_2O_{5}$

**Pharmacological class / Application:** Steroid

**CAS-RN:** 1110-40-3

**International status:**

US: Cortivazol is not listed in 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: Cortivazol is not listed in the schedules to the CDSA. The substance is a
glucocorticoid steroid and is used as an anti-inflammatory drug\(^1\). Anabolic steroids and their derivatives are currently listed as item 23 of Schedule IV to the CDSA. Given that cortivazol has not been reported in the scientific literature to display any anabolic activity nor reported to be a derivative of an anabolic steroid, it cannot be included under item 23 of Schedule IV to the CSDA.

**Recommendation:** Cortivazol is not included in the Schedules to the CDSA and is not considered a controlled substance.

**Date:** February 6th, 2012.

\(^1\)Miller, AL. (2007) Comparison of two structurally diverse glucocorticoid receptor agonists: Cortivazol selectivity regulates a distinct set of genes separate from dexamethasone in CEM cells, Steroids, **72**:673-681.