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

Substance: Ergocornine

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 is not listed in the Schedules to the CDSA and is not considered to belong to any family or group listed in the Schedules.

Prepared by: ___________________________  Date: June 8, 2011
Zack Li

Verified by: ___________________________  Date: __________
Mark Kozlowski

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

This status was requested by: Marie-Eve Lebrun, OCS
Drug Status Report

**Drug:** Ergocornine

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

**Chemical Name:** (5'alpha)-12'-Hydroxy-2',5'-bis(1-methylethyl)ergotamian-3',6',18-trione

**Chemical structure:**

![Chemical structure of Ergocornine and Lysergic Acid HCl](image)

*Lysergic Acid HCl

CAS RN: 564-36-3

**Pharmacological class / Application:** Lysergic acid derivative

**International status:**

US: Ergocornine is not listed on 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: Ergocornine is not currently listed in the CDSA. The substance is an ergot alkaloid and one of the components of ergotoxine¹, and its synthesis has been reported in the

scientific literature to involve lysergic acid\textsuperscript{2,3}. Currently, ergometrine and ergotamine and their salts, are the only two ergot alkaloids that are listed in the CDSA, specifically as items 5 and 6 respectively in Part 1 of Schedule VI. Lysergic acid is also listed in the CDSA as item 8, “Lysergic acid (9,10-didehydro-6-methylergoline-8-carboxylic acid) and its salts” in Part 1 of Schedule VI. However, as ergocornine is not a salt of lysergic acid, it is not captured under the heading of item 8 of Schedule VI to the CDSA and therefore cannot considered a controlled substance.

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

**Date:** June 8, 2011
