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

Substance: Marcromerine

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 a cactus alkaloid and is not similar to any of the substances included in the schedules to the CDSA.

Prepared by: __________________________ Date: October 29th 2010
                        Evelyn C Soo

Verified by: __________________________ Date: _________________
                        Marianne Tang

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: Macromerine

Drug Name Status: Macromerine is the common name.

Chemical Name: N-Dimethyl-3,4-dimethoxy-beta-hydroxy-beta-phenethylamine

Other Names: Alpha-((dimethylamino)methyl)-3,4-dimethoxy-benzenemethanol

Chemical Structure:

Molecular Formula: $C_{12}H_{19}NO_3$

CAS-RN: 2970-95-8

Pharmacological class / Application: steroid

International status:

US: The substance is not listed specifically in the CSA 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: Macromerine is an alkaloid found the cactus Coryphantha runyonii\textsuperscript{1} and has been reported in the scientific literature to be absent of any psychoactive activity\textsuperscript{2}. The

\textsuperscript{1}Below, L.E. et al. (1968) Catus alkaloids IV. Macromerine from Coryphantha runyounii, J. Pharm. Sci. 57:515-516.

substance is not currently listed in the CDSA and is not structurally similar to any of the substances included in the Schedules to the CDSA.

**Recommendation:** Macromerine is not included in schedules to the CDSA and is not a controlled substance.

**Date:** October 29th 2010