



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 [x]

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: Evelyn C Soo Date: October 29th 2010

Verified by: Marianne Tang Date:

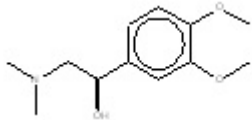
Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

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: C₁₂H₁₉NO₃

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*¹ and has been reported in the scientific literature to be absent of any psychoactive activity². The

¹Below, LE. et al. (1968) Catus alkaloids IV. Macromerine from *Coryphantha runyonii*, J. Pharm. Sci. **57**:515-516.

²Vogel WH., et al. (1973) Macromerine, normacromerine and bisnormacromerine: No-psychoactive methylated derivatives of norpeinephrine, Psychopharmacologica, **30**:145-151.

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