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

Substance: 3,4-(Methylenedioxyphenyl)ethylamine

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):

- 3,4-(methylenedioxyphenyl)ethylamine cannot be included under Schedule III to the CDSA as an analogue of the amphetamines.

Prepared by: ________________________________ Date: December 13th, 2011

Evelyn C Soo

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:** 3,4-(Methylenedioxyphenyl)ethylamine

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

**Chemical Name:** 2-(3,4-(Methylenedioxy)phenyl)ethylamine

**Other Names:** 3,4-MDE; 1,3-Benzodioxole-5-ethanamine

**Chemical structure:**

![Chemical structure image]

**Molecular Formula:** C_9H_{11}NO_2

**Pharmacological class / Application:** Pharmaceutical-related substance

**CAS-RN:** 1484-85-1

**International status:**

US: 3,4-(Methylenedioxyphenyl)ethylamine 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: 3,4-(Methylenedioxyphenyl)ethylamine is not currently listed in the CDSA. The substance has been reported to be a starting material in the synthesis of various pharmaceutical substances\(^1\)\(^2\) as well as is a minor component of the cacti *Lophophora williamsii* (Peyote) and *Trichocereus pachanoi* (San Pedro)\(^3\). While the substance displays structural similarities to the amphetamines, particularly to 3,4-methylenedioxyamphetamine, the substance belongs to the 2C family of compounds (phenethylamines) which are not controlled under the

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\(^3\) Saezm O et al. (1994) Ecstacy analogues found in cacti, *J. Psychoactive Drugs,* **40**:219-222.
CDSA with the exception of 2-bromo-2,5-dimethoxybenzeneethanamine (2C-B) and its salts. Accordingly, 3,4-(methylenedioxyphenyl)ethyllamine cannot be included under Schedule III to the CDSA.

**Recommendation:** 3,4-(Methylenedioxyphenyl)ethyllamine is not included under Schedule III to the CDSA and is not a controlled substance.

**Date:** December 13th, 2011