



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

Substance: N-Methyl-1-(3,4-methylenedioxyphenyl)-3-(2-methyl)-propanamine

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 cannot be considered an analogue or a derivative of MDMA and therefore is not included under item 1 of Schedule III to the CDSA.

Prepared by: _____ Date: Jan 25th 2011
Evelyn Soo

Verified by: _____ Date: _____
Marianne Tang

Approved by: _____ Date: _____
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Benoit Archambault, DAS

Drug Status Report

Drug: N-Methyl-1-(3,4-methylenedioxyphenyl)-(2-methyl)-3-propanamine

Drug Name Status: N-Methyl-1-(3,4-methylenedioxyphenyl)-(2-methyl)-3-propanamine is the common name.

Chemical Name: N,beta-Dimethyl-1,3-benzodioxole-5-propanamine

Other Names: N-Methyl-1-(3,4-methylenedioxyphenyl)-(2-methyl)-3-aminopropane

Chemical structure:



MDMA

Molecular Formula: C₁₂H₁₇NO₂

Pharmacological class / Application: Unknown

CAS-RN: unknown

International status:

US: N-Methyl-1-(3,4-methylenedioxyphenyl)-(2-methyl)-3-propanamine is not listed specifically in the Schedules to the US *Controlled Substances Act* and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed specifically on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: N-Methyl-1-(3,4-methylenedioxyphenyl)-(2-methyl)-3-propanamine was identified in MDMA exhibits seized from a clandestine laboratory. MDMA is currently listed as sub-item 1(9) in Schedule III to the CDSA, as N-methyl-3,4-methylenedioxyamphetamine under the heading "Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues including:". While the substance displays substantial structural similarity to MDMA, it cannot be considered an analogue of MDMA for the purpose of forming status decisions as the methyl group in the propanamine chain is in the beta-position whereas all the substances included under item 1 of Schedule III to the CDSA contain a methyl group in the alpha-position. This is consistent with earlier status decisions on similar substances

e.g. *p*-chloro-beta-methylphenethylamine and the class of phenethylamines which are more commonly known as the 2C family. Furthermore, while N-Methyl-1-(3,4-methylenedioxyphenyl)-(2-methyl)-3-propanamine was found in illicit samples of MDMA, the substance was likely to be produced *via* reductive animation of (2-methyl-3-(3,4-methylenedioxyphenyl)propanal and therefore also cannot be included under item 1 of in Schedule III to the CDSA as a derivative of MDMA.

Recommendation: N-Methyl-1-(3,4-methylenedioxyphenyl)-(2-methyl)-3-propanamine is not included under item 1 of Schedule III to the CDSA and is not a controlled substance.

Date: 25 January 2011