



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

Substance: 4-Hydroxy-3-methoxymethamphetamine (HMMA)

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

Controlled X
Not Controlled []

under the schedules of the Controlled Drugs and Substances Act (CDSA) for the following reason(s):

- The drug is currently not listed specifically on the CDSA. However, item 1 of Schedule III to the Act begins, "Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues" and then goes on to list some of the substances included as examples of amphetamines. The substances listed are diverse in structural variation of the amphetamine nucleus.
Analogue is defined in the Act as, "a substance that, in relation to a controlled substance, has a substantially similar chemical structure". 4-Hydroxy-3-methoxymethamphetamine has a structure substantially similar to the amphetamines (see amphetamine structure below, and is a derivative (metabolite) of N-methyl-3,4-methylenedioxy-amphetamine (subitem 1(9) of Schedule III).

Supporting document(s) attached: X

Prepared by: TIANA BRANCH Date: 2005-06-20

Verified by: See email MICHAEL LEBELLE Date: 2005-06-16

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

Drug Status Report

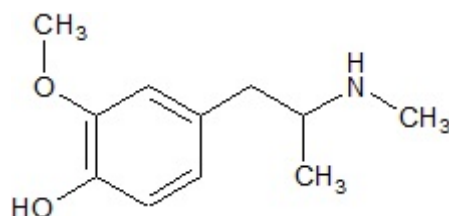
Drug: 4-Hydroxy-3-methoxymethamphetamine

Drug Name Status: 4-Hydroxy-3-methoxymethamphetamine is the common name.

Chemical Name: 2-methoxy-4-(2-(methylamino)propyl)phenol

Other Names: HMMA; N, α -dimethyl-4-hydroxy-3-methoxybenzeneethanamine

Chemical structure:



Molecular Formula: C₁₁H₁₇NO₂

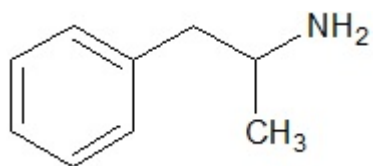
Pharmacological class / Application: An amphetamine; a metabolite of 3,4-methylenedioxyamphetamine (MDMA; Ecstasy)

International status:

US: The drug is not currently listed specifically on the US Controlled Substances Act and is not mentioned on the DEA website. Due to the “controlled substance analogue” provision of the CSA, 4-hydroxy-3-methoxymethamphetamine is considered a controlled substance.

United Nations: The drug is not listed on the Yellow List - List of Narcotic Drugs under International Control. The drug is not listed on the Green List - List of Psychotropic Substances under International Control

Canadian Status: The drug is currently not listed specifically on the CDSA. However, item 1 of Schedule III to the Act begins, “Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues” and then goes on to list some of the substances included as examples of amphetamines. The substances listed are diverse in structural variation of the amphetamine nucleus. Analogue is defined in the Act as, “a substance that, in relation to a controlled substance, has a substantially similar chemical structure”. 4-Hydroxy-3-methoxymethamphetamine has a structure substantially similar to the amphetamines (see amphetamine structure below, and is a derivative (metabolite) of N-methyl-3,4-methylenedioxy-amphetamine (subitem 1(9) of Schedule III).



Amphetamine

Recommendation: 4-Hydroxy-3-methoxymethamphetamine (HMMA) is included in item 1 of Schedule III to the CDSA and is a controlled substance.

June 16, 2005