



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

Substance: I - 2-methylmethcathinone
II - 3-methylmethcathinone

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

Controlled [checked]
Not Controlled [unchecked]

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

- 2-methylmethcathinone and 3-methylmethcathinone are isomers of 4-methylmethcathinone (mephedrone) and therefore included under item 1 of Schedule III to the CDSA.

Prepared by: Evelyn Soo Date: Aug 17 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

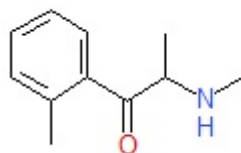
Drug: I - 2-methylmethcathinone
II - 3-methylmethcathinone

Drug Name Status: I - 2-methylmethcathinone
II - 3-methylmethcathinone are common names

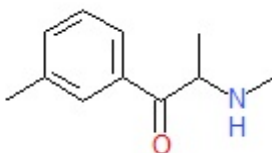
Chemical Name: I - 2-Methylamino-1-(2-methylphenyl)-1-propanone
II - 2-Methylamino-1-(3-methylphenyl)-1-propanone

Other Names: I - 2-methyl ephedrone
II - 3-methyl ephedrone

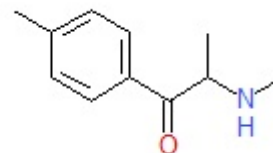
Chemical structure:



I



II



mephedrone

Molecular Formula: I-C₁₁H₁₅NO; II-C₁₁H₁₅NO

Pharmacological class / Application: stimulant

CAS-RN: I-N/A; II-N/A

International status:

US: The substance is not currently listed on the US Controlled Substances Act and is not mentioned on the DEA website. However, the substances may be considered controlled due to the analogue provisions in the CSA.

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

Canadian Status: 2-methylmethcathinone and 3-methylmethcathinone are not listed specifically in the schedules to the CDSA. As shown above, the substances are positional isomers of 4-methylmethcathinone (aka. mephedrone) which is considered to be an analogue of 4-methylmethamphetamine and is included under

item 1 of Schedule III to the CDSA. Given that 2-methylmethcathinone and 3-methylmethcathinone are isomers of 4-methylmethcathinone, the substances are included under the heading “Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues” of item 1 of Schedule III to the CDSA. A recent review of fluoromethcathinone also included the three positional isomers (i.e. 2-, 3-, and 4-fluoromethcathinone) under item 1 of Schedule III to the CDSA.

Recommendation: 2-methylmethcathinone and 3-methylmethcathinone are included under item 1 of Schedule III to the CDSA and are considered to be controlled substances.

Date: 17 August 2010