Health Canada Santé Canada

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

Substance: I - 2,4-Dimethoxy-5-ethoxyamphetamine
II - 2,5-Dimethoxy-4-propoxyamphetamine

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 compounds are amphetamines and must be included under item 1 of Schedule III to the CDSA.

Prepared by: _____ Date: Sept 13th, 2011
Evelyn C Soo

Verified by: _____ Date: _____
Mark Kozlowski

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

This status was requested by:

Drug Status Report

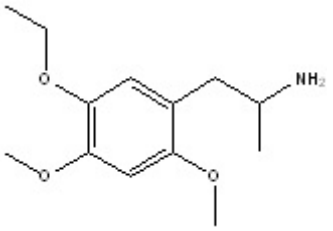
Drug: I - 2,4-Dimethoxy-5-ethoxyamphetamine
II - 2,5-Dimethoxy-4-propoxyamphetamine

Drug Name Status: I I - 2,4-Dimethoxy-5-ethoxyamphetamine
II - 2,5-Dimethoxy-4-propoxyamphetamine are the common names.

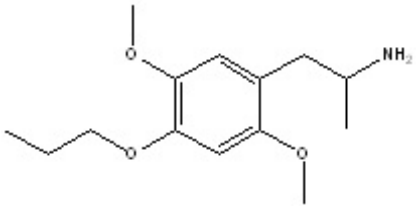
Chemical Name: I - 5-Ethoxy-2,4-dimethoxy-alpha-methylbenzeneethanamine
II - 4-Propoxy-2,5-dimethoxy-alpha-methylbenzeneethanamine

Other Names: I - MME
II - MPM

Chemical Structure:



I



II

Molecular Formula: I - $C_{13}H_{21}NO_3$; II - $C_{14}H_{23}NO_3$

Pharmacological class / Application: Amphetamines

International status:

US: 2,4-Dimethoxy-5-ethoxyamphetamine and 2,5-Dimethoxy-4-propoxyamphetamine are not listed specifically in the Schedules to the US *Controlled Substances Act*. However, they may be considered controlled under the analogue provision of the CSA.

United Nations: The substances are 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: 2,4-Dimethoxy-5-ethoxyamphetamine and 2,5-dimethoxy-4-propoxyamphetamine are part of a series of designer amphetamines synthesized by Shulgin and

tested for their potential stimulant/hallucinogenic potential and are not listed specifically in the CDSA. "Amphetamines, their salts, derivatives, isomers, analogues and salts of derivatives, isomers and analogues"are currently listed as item 1 of Schedule III to the CDSA and as amphetamines, these substances are by virture considerd captured under the item heading. It is noteworthy that 2,4-dimethoxy-5-ethoxyamphetamine may also be considered substantially similar in structure to 2,4-dimethoxyamphetamine, while 2,5-dimethoxy-4-propoxyamphetamine may be considered a structural analogue of 4-ethyl-2,5-dimethoxyamphetamine which is currently listed as sub-item 1(14) in Schedule III to the CDSA.

Recommendation: 2,4-Dimethoxy-5-ethoxyamphetamine and 2,5-dimethoxy-4-propoxyamphetamine are included under item 1 of Schedule III to the CDSA and are controlled substances.

Date: 13 September, 2011