Health Canada
Santé Canada

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

Substance: I- 3-Methoxy phencyclidine hydrochloride
II- 4-Methyl phencyclidine hydrochloride

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 substances are derivatives of phencyclidine and are captured under item 14 of Schedule I to the CDSA.

Prepared by: _____ Date: _____
Vincent Marleau

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

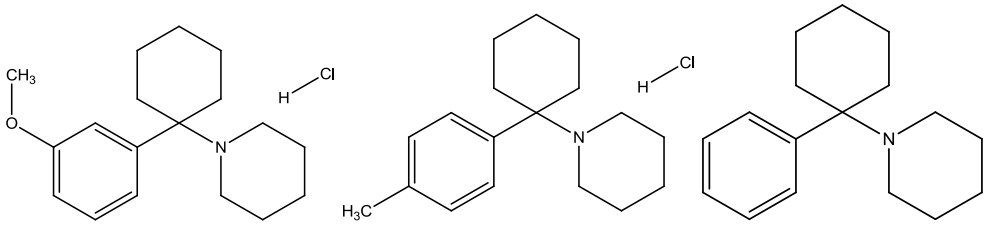
Drug: I- 3-Methoxy phencyclidine hydrochloride
II- 4-Methyl phencyclidine hydrochloride

Drug Name Status: I- 3-Methoxy phencyclidine hydrochloride
II- 4-Methyl phencyclidine hydrochloride are the common names.

Chemical Name: I- 3-Methoxy phencyclidine hydrochloride
II- 4-Methyl phencyclidine hydrochloride

Other Names:
I- 1-[1-(3-Methoxyphenyl)cyclohexyl]piperidine Hydrochloride; 1-[1-(m-Methoxyphenyl)cyclohexyl]piperidine Hydrochloride; 3-Methoxyphencyclidine Hydrochloride.
II- 1-(1-p-Tolylcyclohexyl)piperidine Hydrochloride; 1-[1-(4-Methylphenyl)cyclohexyl]piperidine Hydrochloride.

Chemical structure:



I **II** **Phencyclidine**

Molecular Formula: I- $C_{18}H_{28}ClNO$; II- $C_{18}H_{28}ClN$.

Pharmacological class / Application: Phencyclidine derivative

CAS-RN: I- 91164-58-8; II- 1934-42-5.

International status:

US: 3-Methoxy phencyclidine hydrochloride and 4-methyl phencyclidine hydrochloride are not listed specifically in the Schedules to the US *Controlled Substances Act* and are not mentioned anywhere on the DEA website.

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: 3-Methoxy phencyclidine hydrochloride and 4-methyl phencyclidine hydrochloride are not listed in the Schedules to the CDSA. The substances are derivatives of

phencyclidine[1], which is listed as item 14 of Schedule I to the CDSA under the heading: "Phencyclidine (1-(1-phenylcyclohexyl)piperidine), its salts, derivatives and analogues and salts of derivatives and analogues, including:" As derivatives of phencyclidine, both of these substances must be captured under item 14 of Schedule I to the CDSA.

Recommendation: 3-Methoxy phencyclidine hydrochloride and 4-methyl phencyclidine hydrochloride are included under item 14 of Schedule I to the CDSA and are controlled substances.

Date: November 19th, 2012.

[1] Maayani, S. *et al*(1974)1-cyclohexylpiperidine derivatives: Anticholinesterase activity and antagonistic activity to acetylcholine. Biochemical Pharmacology. **23**:1263-1281.