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

Substance: I- 2-Naphthyl Pyrovalerone Hydrochloride
II - 1-Naphthyl Pyrovalerone Hydrochloride

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 substances are analogues of methylenedioxypyrovalerone (MDPV) and must be included under item 17.1 of Schedule I to the CDSA.

Prepared by: _________________________________ Date: ________________
Benoit P Seguin

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- 2-Naphthyl Pyrovalerone Hydrochloride  
       II- 1-Naphthyl Pyrovalerone Hydrochloride

Drug Name Status:  
I- 2-Naphthyl Pyrovalerone Hydrochloride  
II- 1-Naphthyl Pyrovalerone Hydrochloride are the common names.

Chemical Names:  
I-1-(Naphthalen-2-yl)-2-(pyrrolidin-1-yl)pentan-1-one Hydrochloride; 1-(2-Naphthalenyl)-2-(1-pyrrolidinyl)-1-pentanone Hydrochloride;  
Naphyrone Hydrochloride; b-Naphyrone Hydrochloride  
II-1-(1-Naphthalenyl)-2-(1-pyrrolidinyl)-1-pentanone Hydrochloride; a-Naphyrone Hydrochloride

Chemical structure:

![Chemical Structure](image)

MDPV:

Molecular Formula:  I- C_{19}H_{24}NOCl; II- C_{19}H_{24}NOCl

Pharmacological class / Application:  Stimulant

CAS-RN:  I- 850352-11-3; II- 1349245-31-3

International status:  
US:  These substances are not listed specifically in the Schedules to the US Controlled Substances Act and are not mentioned anywhere on the DEA website.
United Nations: These 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-Naphthyl pyrovalerone hydrochloride and 1-naphthyl pyrovalerone hydrochloride are not listed specifically in the Schedules to the CDSA. The substances display substantial structural similarity to 3,4-methylenedioxypyrovalerone (MDPV), which is currently listed as item 17.1 in Schedule I to the CDSA under the heading “Methylenedioxypyrovalerone (MDPV), its salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues”. As structural analogues of MDPV, these substances are considered captured under item 17.1 of Schedule I to the CDSA.

**Recommendation:**
2-Naphthyl pyrovalerone hydrochloride and 1-naphthyl Pyrovalerone Hydrochloride are included under item 17.1 of Schedule I to the CDSA and are controlled substances.

**Date:** October 17th, 2012.