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

Substance: N-Ethylbuphedrone

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 substance is substantially similar in structure to N-ethylamphetamine and included under item 1 of Schedule III to the CDSA.

Prepared by: ___________________________ Date: November 9th, 2011

Vincent Marleau

Verified by: ___________________________ Date: _______

Mark Kozlowski

Approved by: ___________________________ Date: _______

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Cathy Copeland, CBSA
Drug Status Report

Drug: N-Ethylbuphedrone

Drug Name Status: N-Ethylbuphedrone is the common name.

Chemical Name: 2-(Ethylamino)-1-phenylbutan-1-one

Other Names: NEB

Chemical structure:

\[
\text{N-ethylamphetamine}
\]

Molecular Formula: \(C_{12}H_{17}NO\)

CAS-RN: UNKNOWN

Pharmacological class / Application: Designer drug

International status:

US: N-Ethylbuphedrone is not listed in the Controlled Substances Act and is not mentioned anywhere on the DEA website as a controlled substance.

United Nations: The substance is 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: N-Ethylbuphedrone is not specifically listed in the schedules to the CDSA. The substance is related to the designer drug buphedrone and has been reported by recreational users of this drug to display potent stimulant effects. A recent review of buphedrone deemed the substance controlled under item 1 of Schedule III to the CDSA as an analogue of amphetamine. As shown above, N-ethylbuphedrone shows substantial structural similarity to N-ethylamphetamine and therefore is considered an analogue of N-ethylamphetamine. Therefore, N-ethylbuphedrone is considered to be included under sub-item 1(3) of Schedule III to the CDSA, under the heading “Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues”.

Recommendation: N-Ethylbuphedrone is included under item 1 of Schedule III to the CDSA and is a controlled substance.

Date: November 9th, 2011