Health Canada Santé Canada

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

Substance: alpha-(N-Methyl-N-ethylamino)butyrophenone 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 substance is an analogue of buphedrone and is included under Item 1 of Schedule III to the CDSA.

Prepared by: _____ Date: February 21st, 2012
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"

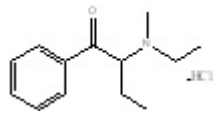
Drug Status Report

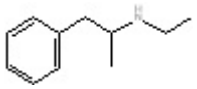
Drug: alpha-(N-Methyl-N-ethylamino)butyrophenone hydrochloride

Drug Name Status: alpha-(N-Methyl-N-ethylamino)butyrophenone hydrochloride is the common name.

Chemical Name: 2-(ethyl(methyl)amino)-1-phenylbutan-1-one hydrochloride

Chemical structure:





N-ethylamphetamine

Molecular Formula: $C_{13}H_{19}NO$; **CAS-RN:** N/A

Pharmacological class / Application: Amphetamine analogue

International status:

US: alpha-(N-Methyl-N-ethylamino)butyrophenone hydrochloride is not listed in the *US Controlled Substances Act* and is not mentioned anywhere on the DEA website.

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: alpha-(N-Methyl-N-ethylamino)butyrophenone hydrochloride is not listed specifically in the CDSA. The substance shows substantial structure similarity to N-ethylamphetamine which is currently listed as sub-item 1(3) in Schedule III to the CDSA under the heading: "Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues including:". For the purpose of forming a status decision, an analogue is a substance which is "substantially similar in structure to a controlled substance". Since the analogues of the amphetamines are captured by the item heading, alpha-(N-Methyl-N-ethylamino)butyrophenone hydrochloride must be included under Item 1 of Schedule III to the CDSA.

Recommendation: alpha-(N-Methyl-N-ethylamino)butyrophenone hydrochloride is included under item 1 of Schedule III to the CDSA and is a controlled substance.

Date: February 21st, 2012.