Health Canada
Santé Canada

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

Substance: 4-Ethyl methcathinone 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 substance is an analogue of 4-methoxymethamphetamine and is therefore captured under Item 1 of Schedule III 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

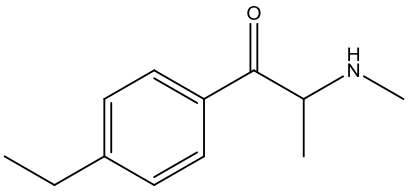
Drug: 4-Ethyl methcathinone hydrochloride

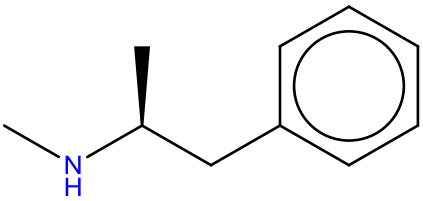
Drug Name Status: 4-Ethyl methcathinone hydrochloride is the common name.

Chemical Name: 1-(4-Ethylphenyl)-2-(methylamino)propan-1-one

Other Names: 2-Ethylamino-1-p-tolylpropan-1-one

Chemical structure:





Methamphetamine

Molecular Formula: $C_{12}H_{17}NO$

Pharmacological class / Application: Amphetamine analogue

CAS-RN: N/A

International status:

US: 4-Ethyl methcathinone hydrochloride is not listed specifically in the Schedules to 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: 4-Ethyl methcathinone hydrochloride is not listed in the Schedules to the CDSA. As shown above, the substance displays substantial structure similarity to methamphetamine, which is currently listed as Item 1i of Schedule I to the CDSA under the heading "Methamphetamine (N,α-dimethylbenzeneethanamine), its salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues". Accordingly, the substance is considered an analogue of methamphetamine and included under Item 18 of Schedule I to the CDSA.

Recommendation: 4-Ethyl methcathinone hydrochloride is included in Item 18 of Schedule I to the CDSA and is a controlled substance.

Date: April 4th, 2012.