



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

Substance:	Chlorocathinone	
Based on the o		he Office of Controlled Substances, it appears
	Controlled Not Controlled	□ ✓
under the schereason(s):	edules of the Controlled Drugs a	nd Substances Act (CDSA) for the following
•	The substance is an analogue of under item 1 of Schedule III to	f chloroamphetamine and therefore included the CDSA.
Prepared by:	Evelyn Soo	Date: Sept 22 <sup>nd</sup> 2010
Verified by:	Marianne Tang	Date:
Approved by:	DIRECTOR, OFFICE C SUBSTANCES	Date: DF CONTROLLED

This status was requested by: "third party information removed as per agreement with applicant"

### Drug Status Report

## **Drug:** Chlorocathinone

There are three possible isomers of chlorocathinone, i.e. 2-, 3- and 4-chlorocathinone. The 3-fluoro isomer will be dealt with in detail. The other isomers have the same status as the 3-isomer.

**Drug Name Status:** Chlorocathinone is the common name.

**Chemical Name:** 2-amino-1-(3-chlorophenyl)-1-propanone

Other Names: m-chlorocathinone

#### **Chemical Structure:**



3-Chloroamphetamine

**Molecular Formula**: C<sub>9</sub>H<sub>10</sub>ClNO

Pharmacological class / Application: Amphetamine analogue

CAS-RN: 119802-69-6

## **International status:**

US: The substance is not currently listed in the CSA 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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Chlorocathinone is not currently listed in the Schedules to the CDSA. As can be seen from its chemical structure, chlorocathinone is an analogue of chloroamphetamine; an analogue being interpreted as a substance that is significantly similar in structure to one that is included in the Schedules to the CDSA, for the purpose of forming status decisions. The status of chloroamphetamine was reviewed and included under item 1 of Schedule III to the CDSA under the heading "Amphetamines, their salts, derivatives, isomers and analogues and

salts of derivatives, isomers and analogues, including". Since chlorocathinone is an analogue of chloroamphetamine, it must be included under item 1 of Schedule III to the CDSA. It is noteworthy that chlorocathinone may also be considered an analogue of cathinone, which is listed as item 19 of Schedule III to the CDSA. However, analogues are not included in the item heading of cathinone.

**Recommendation:** Chlorocathinone is included under item 1 of Schedule III to the CDSA and is a controlled substance.

Date: 22 September 2010