

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: $C_9H_{10}ClNO$

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