Health Canada
Santé Canada

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

Substance: I- 2-Bromo-2-(2-chlorophenyl) cyclohexanone
II- 2-Azido-2-(2-chlorophenyl) cyclohexanone

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 substances are analogues of ketamine and are included under item 14 of Schedule I 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"

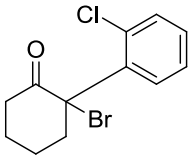
Drug Status Report

Drugs: I- 2-Bromo-2-(2-chlorophenyl) cyclohexanone
II- 2-Azido-2-(2-chlorophenyl) cyclohexanone

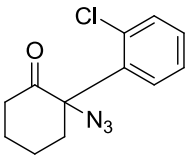
Drug Name Status: I- 2-Bromo-2-(2-chlorophenyl) cyclohexanone
II- 2-Azido-2-(2-chlorophenyl) cyclohexanone are the common names.

Chemical Name: I- 2-Bromo-2-(2-chlorophenyl) cyclohexanone
II- 2-Azido-2-(2-chlorophenyl) cyclohexanone

Chemical structure:



I



II

Molecular Formula: I- $C_{12}H_{12}BrClO$; II- $C_{12}H_{12}ClN_3O$.
CAS-RN: I- 1336986-08-3 (deuterated form); II- 1336986-09-4 (deuterated form).

Pharmacological class / Application: Ketamine analogues

International status:

US: 2-Bromo-2-(2-chlorophenyl) cyclohexanone and 2-azido-2-(2-chlorophenyl) cyclohexanone are not listed specifically in the Schedules to the US *Controlled Substances Act* and are not mentioned anywhere on the DEA website.

United Nations: The substances are 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: 2-Bromo-2-(2-chlorophenyl) cyclohexanone and 2-azido-2-(2-chlorophenyl) cyclohexanone are not listed specifically in the CDSA. The substances are analogues of ketamine which is currently listed as item 14 of Schedule I to the CDSA under the heading "Phencyclidine (1-(1-phenylcyclohexyl)piperidine), its salts, derivatives and analogues and salts of derivatives and analogues, including." For the purpose of forming status decisions, a substance which displays substantial structural similarity to a controlled substance is considered an analogue. As an analogue of ketamine, both 2-bromo-2-(2-chlorophenyl) cyclohexanone and 2-azido-2-(2-chlorophenyl) cyclohexanone must be included in item 14 of Schedule I to the CDSA.

Recommendation: 2-Bromo-2-(2-chlorophenyl) cyclohexanone and 2-azido-2-(2-chlorophenyl) cyclohexanone are included in item 14 of Schedules I to the CDSA and are controlled substances.

Date: August 13th, 2012.