Health Canada
Santé Canada

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

Substance: **I** - 1-(2-chlorophenyl)cyclohexanol
**II** - 2'-chloro-2,3,4,5-tetrahydro-1,1'-biphenyl
**III** - 1-(2-chlorophenyl)-7-oxabicyclo[4.1.0]heptane

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

| | |
|---|---|
| Controlled | ☐ |
| Not Controlled | X |

under the schedules of the *Controlled Drugs and Substances Act* (CDSA) for the following reason(s):

- The substances do not display any structural similarity to those in the CDSA.

Prepared by: _____ Date: _____
Zack Li

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: I** - 1-(2-chlorophenyl)cyclohexanol
**II** - 2'-chloro-2,3,4,5-tetrahydro-1,1'-biphenyl
**III** - 1-(2-chlorophenyl)-7-oxabicyclo[4.1.0]heptane

**Drug Name Status: I** - 1-(2-chlorophenyl)cyclohexanol
**II** - 2'-chloro-2,3,4,5-tetrahydro-1,1'-biphenyl
**III** - 1-(2-chlorophenyl)-7-oxabicyclo[4.1.0]heptane are the common names.
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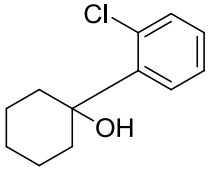
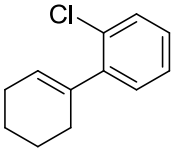
**Chemical Name: I** - 1-(2-chlorophenyl)cyclohexanol
**II** - 2'-chloro-2,3,4,5-tetrahydro-1,1'-biphenyl
**III** - 1-(2-chlorophenyl)-7-oxabicyclo[4.1.0]heptane

**Other Names: I** - 2-hydroxy-2-(o-chlorophenyl) cyclohexanol
**II** - 5-chloro-6-(1-cyclohexen-1-yl)-benzene
**III** - 1-(6-chlorophenyl)-7-oxabicyclo-heptane

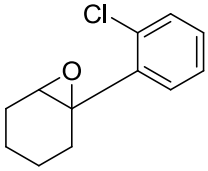
**Chemical structure:**




***I***




***II***




***III***

**Molecular Formula: I** - $C_{12}H_{15}ClO$; **II** - $C_{12}H_{13}Cl$; **III** - $C_{12}H_{13}ClO$

**CAS-RN: I**, **II**, **III** - N/A

**Pharmacological class / Application:** Pharmaceutical-related substances

**International status**:

US: 1-(2-chlorophenyl)cyclohexanol, 2'-chloro-2,3,4,5-tetrahydro-1,1'-biphenyl and 1-(2-chlorophenyl)-7-oxabicyclo[4.1.0]heptane 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: 1-(2-chlorophenyl)cyclohexanol, 2'-chloro-2,3,4,5-tetrahydro-1,1'-biphenyl and 1-(2-chlorophenyl)-7-oxabicyclo[4.1.0]heptane are not listed in the CDSA. The substances

are intermediates in the synthesis of norketamine but do not display substantial structural similarities to the phencyclidines. Norketamine is currently included as item 14 of Schedule I under the heading “Phencyclidine (1-(1-phenylcyclohexyl)piperidine), its salts, derivatives and analogues and salts of derivatives and analogues, including”. As synthetic intermediates of norketamine, 1-(2-chlorophenyl)cyclohexanol, 2'-chloro-2,3,4,5-tetrahydro-1,1'-biphenyl and 1-(2-chlorophenyl)-7-oxabicyclo[4.1.0]heptane cannot be included under item 14 of Schedule I to the CDSA.

**Recommendation:** 1-(2-chlorophenyl)cyclohexanol, 2'-chloro-2,3,4,5-tetrahydro-1,1'-biphenyl and 1-(2-chlorophenyl)-7-oxabicyclo[4.1.0]heptane are not included in the Schedules to the CDSA and are not controlled substances.

**Date:** August 13th, 2012.