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

Substance: AH-7921

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

- Controlled ☐
- Not Controlled ✔

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

- AH-7921 is not similar in structure to any substances listed in the CDSA.

Prepared by: ___________________________ Date: February 8th, 2012
Evelyn C Soo

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:** AH 7921

**Drug Name Status:** AH 7921 is the common name.

**Chemical Name:** 3,4-Dichloro-N-((1-dimethylamino)cyclohexyl)methylbenzamide

**Other Names:** 1-(3,4-Dichlorobenzamidomethyl)cyclohexylidimethylamine

**Chemical structure:**

![Chemical Structure Diagram]

**Molecular Formula:** \(C_{16}H_{22}Cl_{2}N_{2}O\)  \(\text{CAS-RN: } 55154-30-8\)

**Pharmacological class / Application:** Antinociceptive

**International status:**

US: AH 7921 is not listed in the schedule 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: AH 7921 is not listed in the schedules to the CDSA. The substance was originally developed as an analgesic drug by Allen & Hanburys Ltd\(^1\) (now known as GlaxoSmith Kline) and has been reported in the scientific literature to display potent agonist activity at the u-opioid receptor\(^2\). However, AH 7921 is not structurally similar to any of the substances listed in the CDSA.

**Recommendation:** AH 7921 is not included in any of the Schedules to the CDSA and is not a controlled substance.

**Date:** February 8th, 2012.

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\(^1\)Brittain, RT et al. (1973) Antinociceptive effects of N-substituted cyclohexylmethylbenzamides, Brit. J. Pharmacol. 49:158P-259P.