Health Canada Santé Canada

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

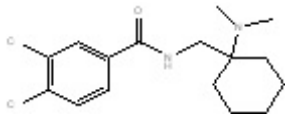
Drug: AH 7921

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)cyclohexyldimethylamine

Chemical structure:



Molecular Formula: $C_{16}H_{22}Cl_2N_2O$ **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.

[2]Tyers, MB. (1980) A classification of opiate receptors that mediate antinociception in animals, Br. J. Pharmac. **69**: 503-512.