



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

Substance: 4-Chloroacetanilide

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):

- The substance is not similar to any of those listed in the schedules to the CDSA.

Prepared by: \_\_\_\_\_ Date: August 4th 2010  
Victoria-Magali Zelaya

Verified by: \_\_\_\_\_ Date: \_\_\_\_\_  
Marianne Tang

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

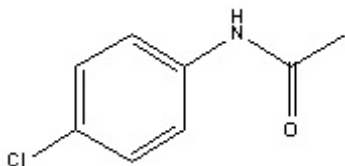
**Drug:** 4-Chloroacetanilide

**Drug Name Status:** 4-Chloroacetanilide

**Chemical Name:** N-(4-chlorophenyl)-acetamide

**Other Names:** p-Chloroacetanilide; acetic-4-chloroanilide; N-(p-chlorophenyl)acetamide; N-Acetyl-p-chloroaniline;

**Chemical structure:**



**Molecular Formula:** C<sub>8</sub>H<sub>8</sub>ClNO

**Pharmacological class / Application:** fine chemical

**CAS-RN:** 539-03-7

**International status:**

US: The substance is not listed specifically 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: 4-Chloroacetanilide is commonly used as an intermediate in the manufacture of pesticides and herbicides<sup>1</sup>. The substance is also claimed to be a starting material in the synthesis of alprazolam. The substance is not listed specifically in the CDSA and is not structurally similar to any of the substances included in the Schedules to the CDSA.

**Recommendation:** 4-Chloroacetanilide is not included in the schedules to the CDSA and is not a controlled substance.

**Date:** August 4th 2010

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<sup>1</sup>Marbough, E. *et al.* (2000) In vivo study of percutaneous absorption of 4-chloroaniline using microdialysis in the rat, *Arzneimittel-Forschung/Drug Res.* **50**:1033-1036.