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

Substance: 4-Nitroaniline, 2-chlorobenzoyl chloride and 2-chlorobenzoyl-d4 chloride

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

- Controlled
- Not Controlled

Not Controlled

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

- The substances are not structurally similar to any of the substances listed in the CDSA

Prepared by: ____________________________ Date: Sept 21st 2010

Evelyn C Soo

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:  
I - 4-Nitroaniline  
II - 2-chlorobenzoyl chloride  
III - 2-chlorobenzoyl-d4 chloride**

**Drug Name Status:**  
I - 4-Nitroaniline  
II - 2-chlorobenzoyl chloride  
III - 2-chlorobenzoyl-d4 chloride are the common names.

**Chemical Name:**  
I - 4-Nitrobenzenamine  
II - 2-chlorobenzoyl chloride  
III - 2-chlorobenzoyl-d4 chloride

**Chemical Structure:**

![Chemical Structures](image)

**Molecular Formula:**  
I - C$_6$H$_6$N$_2$O$_2$; II - C$_7$H$_4$Cl$_2$O; III - C$_6$D$_4$Cl$_2$O

**CAS-RN:**  
I - 22581-63-1; II - 609-65-4; III - NONE

**Pharmacological class / Application:** Fine Chemical

**International status:**

US: The substances are not listed specifically in the CSA and are not mentioned anywhere on the DEA website.

United Nations: The substance 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:  4-Nitrobenzenamine, 2-chlorobenzoyl chloride and 2-chlorobenzoyl-d4 chloride are not currently listed in the CDSA.  The substances are claimed to be starting materials in the synthesis of various clonazepam derivatives including clonazepam-d4 and methyl clonazepam.  While clonazepam listed as item 18(6) in Schedule 4 to the CDSA, the substances does not display any structural similarities to any of those included in the Schedules to the CDSA.

**Recommendation:**  4-Nitrobenzenamine, 2-chlorobenzoyl chloride and 2-chlorobenzoyl-d4 are not included in the Schedules to the CDSA and are not controlled substances nor precursor chemicals.

**Date:**  September 21st, 2010