



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

Substance: 2-Chloro-5-nitrobenzoic acid

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 structurally similar to any of the substances listed in the Schedules to the CDSA.

Prepared by: _____
Victoria-Magali Zelaya

Date: August 4th 2010

Verified by: _____
Marianne Tang

Date: _____

Approved by: _____
DIRECTOR, OFFICE OF CONTROLLED
SUBSTANCES

Date: _____

This status was requested by: "third party information removed as per agreement with applicant"

Drug Status Report

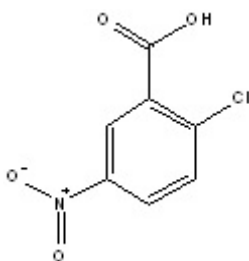
Drug: 2-Chloro-5-nitrobenzoic acid

Drug Name Status: 2-Chloro-5-nitrobenzoic acid

Chemical Name: 2-Chloro-5-nitrobenzoic acid

Other Names: 6-chloro-3-nitrobenzoic acid; A13-16578

Chemical structure:



Molecular Formula: C₇H₅ClNO₄

Pharmacological class / Application: fine chemical

CAS-RN: 2516-96-3

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: 2-Chloro-5-nitrobenzoic acid is a reagent used in organic synthesis and to form crystal structures¹. The substance is also claimed to be a starting material in the synthesis of nitrazepam derivatives. 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.

¹Stovall, DM. *et al.* (2005) Solubility of crystalline nonelectrolyte solutes in organic solvents: Mathematical correlation of 4-chloro-3-nitrobenzoic acid and 2-chloro-5-nitrobenzoic acid solubilities with the Abraham solvation parameter model, *Physics and Chemistry of Liquids*, **43**:351-360.

Recommendation: 2-Chloro-5-nitrobenzoic acid is included in the schedules to the CDSA and is not a controlled substance.

Date: 4 August 2010