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

Substance:  N-demethyl Chlorprothixene

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):

• N-demethyl Chlorprothixene is not similar to any of the substances found in the CDSA and is not controlled.

Prepared by: _______________________________  Date: November 30th, 2011

Vincent Marleau

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**: N-demethyl Chlorprothixene

**Drug Name Status**: N-demethyl Chlorprothixene is the common name.

**Chemical Name**: 1-Propanamine, 3-(2-chloro-9H-thioxanthen-9-ylidene)-N-methyl-, (Z)-

**Other Names**: (Z)-3-(2-chloro-9H-thioxanthen-9-ylidene)-N-methylpropan-1-amine; (Z)-2-Chloro-9-(omega-methylaminopropylidene)thioxanthene; (Z)-2-Chloro-N-methylthioxanthene-delta(sup 9,gamma)-propylamine; 1-Propanamine, 3-(2-chloro-9H-thioxanthen-9-ylidene)-N-methyl-, (Z)-.

**Chemical structure**:

![Chemical structure of N-demethyl Chlorprothixene](image)

**Molecular Formula**: C\textsubscript{17}H\textsubscript{16}ClN\textsubscript{S}

**Pharmacological class / Application**: Pharmaceutical-related substance

**CAS-RN**: N/A

**International status**:

US: N-demethyl Chlorprothixene is not listed in 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: N-demethyl Chlorprothixene is not listed in the schedules to the CDSA. The substance is a derivative of chlorprothixene, which is regulated under Schedule F to the *Food and Drug Regulations* under the heading “Chlorprothixene and its salts”. Since N-demethyl Chlorprothixene is not structurally similar to any of the substances found in the CDSA, it is not a controlled substance.

**Recommendation**: N-demethyl Chlorprothixene is not included under the CDSA and is not considered a controlled substance.
Date: November 30th, 2011