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

Substance: Dipropionylmorphine

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

Controlled  X
Not Controlled  □

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

- The substance is a derivative of morphine and included under sub-item 1(3) of Schedule I to the CDSA.

Prepared by: ______________________________ Date: _______________
Vincent Marleau

Verified by: ______________________________ Date: _______________
Mark Kozlowski

Approved by: ______________________________ Date: _______________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Sahan de Silva, Scientific Screening Officer
Drug Status Report

Drug: Dipropionylmorphine

Drug Name Status: Dipropionylmorphine is the common name.

Chemical Name: (5alpha,6alpha)-7,8-Didehydro-4,5-epoxy-17-methylmorphinan-3,6-diyl dipropionate

Other Names: EINECS 234-194-5; Morphinan-3,6-diol,7,8-didehydro-4,5-epoxy-17-methyl-(5a,6a)-, dipropanoate (ester) (9CI); Morphine,dipropionate (7CI); 3,6-Dipropanoylmorphine; 3,6-O-Dipropionylmorphine; 3,6-O-DPM.

Chemical structure:

Molecular Formula: C_{23}H_{27}NO_{5}

Pharmacological class / Application: Morphine derivative

CAS-RN: 10589-79-4

International status:
US: Dipropionylmorphine is not listed specifically in the Schedules 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: Dipropionylmorphine is not listed specifically in the CDSA. The substance is a derivative of morphine, which is listed as sub-item 1(3) of Schedule I under the heading “Opium Poppy (Papaver somniferum), its preparations, derivatives, alkaloids and salts, including:” As a derivative of morphine, dipropionylmorphine must be included under item 1 of Schedule I to the CDSA. It is noteworthy that this substance also contains the core structure of the morphinans and therefore can also be included under item 10 of Schedule I to the CDSA.

Recommendation: Dipropionylmorphine is included in sub-item 1(3) of Schedule I to the CDSA and is a controlled substance.

Date: October 24th, 2012.