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

Substance: Dihydro-6-O-methylmorphine

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 prepared from morphine and included under item 1 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: Dihydro-6-O-methylmorphine

Drug Name Status: Dihydro-6-O-methylmorphine is the common name.

Chemical Name: (4R,4aR,7S,7aR,12bS)-7-methoxy-3-methyl-2,3,4,4a,5,6,7,7a-octahydro-1H-4,12-methanobenzofuro[3,2-e]isoquinolin-9-ol

Chemical structure:

![Chemical structure diagram]

Molecular Formula: C_{18}H_{23}NO_{3}

Pharmacological class / Application: Morphine derivative

CAS-RN: 7732-92-5

International status:
US: Dihydro-6-O-methylmorphine 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: Dihydro-6-O-methylmorphine is not listed specifically in the CDSA. The substance prepared from 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 dihydro-6-O-methylmorphine is prepared from morphine, it 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: Dihydro-6-O-methylmorphine is included in item 1 of Schedule I to the CDSA and is a controlled substance.

Date: October 24th, 2012.