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

Substance: Hydromorphone-3-sulfate

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 derivative of hydromorphone and is included under item 1 of Schedule I to the CDSA.

Prepared by: ___________________________ Date: Nov 5\(^{\text{th}}\) 2010

Evelyn Soo

Verified by: ___________________________ Date: __________

Marianne Tang

Approved by: ___________________________ Date: __________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Françoise Gagnon
Drug Status Report

Drug: Hydromorphone-3-sulfate

Drug Name Status: Hydromorphone-3-sulfate is the common name.

Chemical Name: (5alpha)-4,5-epoxy-17-methyl-3-(sulfooxy)morphinan-6-one

Chemical structure:

\[
\text{ Molecular Formula: } C_{17}H_{19}NO_{6}S
\]

Pharmacological class / Application: Metabolite of hydromorphone

CAS-RN: 479081-35-1

International status:

US: Hydromorphone-3-sulfate is not currently listed in US Controlled Substances Act. However, the parent compound, hydromorphone, is included under Schedule II to the CSA.

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. However, hydromorphone is listed in Yellow List.

Canadian Status: Hydromorphone 3-sulfate is not listed specifically in the CDSA. However, the substance is a metabolite of hydromorphone which is currently listed as item 1(17) of Schedule I to the CDSA, under the heading “Opium Poppy (Papaver somniferum), its preparations, derivatives, alkaloids and salts, including:” As a metabolite of hydromorphone, the substance is therefore included under item 1(17) of schedule I to the CDSA as a derivative of hydromorphone.

Recommendation: Hydromorphone is item 1(17) of Schedule I to the CDSA and is a controlled substance.

Date: 5th November 2010