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

Substance: 3-O-(Codein-2yl)morphine

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 a impurity relating to the synthesis of codeine hydrochloride dihydrate and is included under sub-item 1(2) of Schedule I to the CDSA.

Prepared by: _______________________________ Date: Jan 11th, 2012

Evelyn C Soo

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: 3-O-(Codein-2yl)morphine

Drug Name Status: 3-O-(Codein-2yl)morphine is the common name.

Chemical Name: 7,8-Didehydro-2-[(7,8-didehydro-4,5alpha-epoxy-6alpha-hydroxy-17-methylmorphinan-3-yl)oxy]-4,5alpha-epoxy-3-methoxy-17-methylmorphinan-6a-ol

Chemical structure:

Molecular Formula: C_{35}H_{38}N_{2}O_{6}

Pharmacological class / Application: Pharmaceutical-related substance

CAS-RN: N/A

International status:

US: 3-O-(Codein-2yl)morphine 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: 3-O-(Codein-2yl)morphine is not listed specifically in the CDSA. The substance is a related impurity of codeine hydrochloride dihydrate \(^1\), which is currently controlled as sub-item 1(2) in Schedule I to the CDSA under the heading “Opium Poppy (Papaver somniferum), its preparations, derivatives, alkaloids and salts, including”. As a derivative of codeine, 3-O-(codein-2-yl) must be included under sub-item 1(2) of Schedule I to the CDSA.

\(^1\)European Pharmacopeia, volume 5.0, p1342-1343.
**Recommendation:** 3-O-(Codein-2yl)morphine is included under sub-item 1(2) of Schedule I to the CDSA and is considered a controlled substance.

**Date:** January 11, 2012