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

Substance: Dihydrocodeine-6-glucuronide

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 metabolite dihydrocodeine and must be included under item 1 of Schedule I to the CDSA.

Prepared by: ____________________________  Date: __________
Zack Li

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: Dihydrocodeine-6-glucuronide

Drug Name Status: Dihydrocodeine-6-glucuronide is the common name.

Chemical Name: beta-D-Glucopyranosiduronic acid, 4,5-alpha-epoxy-3-methoxy-17-methylmorphinan-6-ol

Other Names: dihydrocodeine, beta-D-glucopyranosiduronic acid

Chemical structure:

Molecular Formula: $C_{24}H_{31}NO_9$  CAS-RN: 88480-40-4

Pharmacological class / Application: Pharmaceutical-related substance

International status:

US: Dihydrocodeine-6-glucuronide 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: Dihydrocodeine-6-glucuronide is not listed specifically in the CDSA. The substance has been reported to be the major urinary metabolite of dihydrocodeine\(^1\), which is currently listed as sub-item 1(11) “Dihydrocodeine (4,5-epoxy-3-methoxy-17-methylmorphinan-6-ol)” in Schedule I to the CDSA under the heading “Opium Poppy, its preparations, derivatives, alkaloids and salts”. As a derivative of dihydrocodeine, dihydrocodeine-6-glucuronide must be included under item 1 of Schedule I to the CDSA.

Recommendation: Dihydrocodeine-6-glucuronide is included in item 1 of Schedule I to the CDSA and is a controlled substance.

Date: May 18th, 2012.

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