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

Substance: Codeine methylbromide

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

Drugs: Codeine methylbromide

**Drug Name Status:** Codeine methylbromide is the common name.

**Chemical Name:** Morphinanum, 7,8-didehydro-17,17-dimethyl-4,5-alpha-epoxy-6-alpha-hydroxy-3-methoxy-, bromide

**Other Names:** Codeine bromomethylate; Codeine methylbromide; Eucodin.

**Chemical structure:**

![Chemical structure of Codeine methylbromide](image)

**Molecular Formula:** $C_{19}H_{24}BrNO_3$

**Pharmacological class / Application:** Morphine derivative

**CAS-RN:** 125-27-9

**International status:**

US: Codeine methylbromide 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: Codeine methylbromide 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, codeine methylbromide 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:** Codeine methylbromide is included in sub-item 1(3) of Schedule I to the CDSA and is a controlled substance.

**Date:** October 24th, 2012.