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

Substance: Dihydroisocodeine

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 an isomer of dihydrocodeine and is included under sub-item 1(11) of Schedule I to the CDSA.

Prepared by: ___________________________________________ Date: Feb 7th 2011
Evelyn Soo

Verified by: ___________________________________________ Date: __________
Marianne Tang

Approved by: ___________________________________________ Date: __________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Nacer Silarbi
Drug Status Report

**Drug:** Dihydroisocodeine

**Drug Name Status:** Dihydroisocodeine is the common name.

**Chemical Name:** 4,5-alpha-epoxy-3-methoxy-17-methyl-morphinan-6-beta-ol

**Chemical structure:**

![Chemical structure of Dihydroisocodeine](image)

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

**Pharmacological class / Application:** Isomer of dihydrocodeine

**CAS-RN:** 795-38-0

**International status:**

US: Dihydroisocodeine is not listed specifically in the Schedules to the US *Controlled Substances Act* and is not mentioned anywhere on the DEA website. However, as the isomer of dihydrocodeine is it likely to be included under dihydrocodeine in Schedule II to the CSA.

United Nations: The substance is included under Section 2 of the Yellow List - List of Narcotic Drugs under International Control.

Canadian Status: Dihydroisocodeine is not listed specifically in the CDSA. However, the substance is an isomer of dihydrocodeine and is considered to be captured under sub-item 1(11) “Dihydrocodeine (4,5-epoxy-3-methoxy-17-methylmorphinan-6-ol) of Schedule I to the CDSA, under the heading “Opium Poppy (Papaver somniferum), its preparations, derivatives, alkaloids and salts, including”. Additionally, the substance is included in the Yellow list and therefore must also be considered controlled under the Single UN Convention on Narcotic Drugs.

**Recommendation:** Dihydroisocodeine is included under item 1(11) of Schedule I to the CDSA and is a controlled substance.

**Date:** 7 February 2011