Health Canada
Santé Canada

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

Substance: 3-Deoxyhydromorphinol

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 hydromorphinol and included under sub-item 1(16) 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

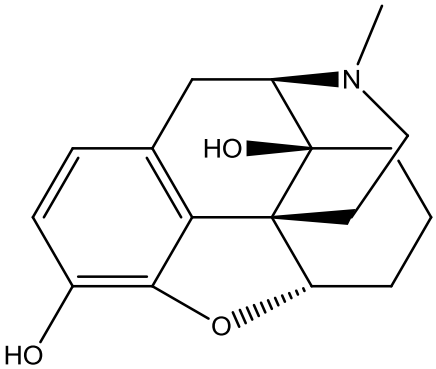
Drug Status Report

Drug: 3-Deoxyhydromorphinol

Drug Name Status: 3-Deoxyhydromorphinol is the common name.

Chemical Name: (4R,4aS,7aS,12bS)-3-methyl-2,3,4,4a,5,6,7,7a-octahydro-1H-4,12-methanobenzofuro[3,2-e]isoquinoline-4a,9-diol

Chemical structure:



Molecular Formula: $C_{17}H_{21}NO_3$

Pharmacological class / Application: Hydromophinol derivative

CAS-RN: 6801-26-9

International status:
US: 3-Deoxyhydromorphinol 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: 3-Deoxyhydromorphinol is not listed specifically in the CDSA. The substance is a derivative of hydromorphinol, which is listed as sub-item 1(16) of Schedule I under the heading "Opium Poppy (Papaver somniferum), its preparations, derivatives, alkaloids and salts, including:" As a derivative of hydromorphinol, 3-deoxyhydromorphinol 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: 3-Deoxyhydromorphinol is included in sub-item 1(16) of Schedule I to the CDSA and is a controlled substance.

Date: October 24th, 2012.