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

Substance: b-Oxymorphamine

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

<table>
<thead>
<tr>
<th>Controlled</th>
<th>X</th>
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<tbody>
<tr>
<td>Not Controlled</td>
<td>☐</td>
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under the schedules of the *Controlled Drugs and Substances Act* (CDSA) for the following reason(s):

- The substance is a derivative of oxymorphone and included under sub-item 1(29) 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: b-Oxymorphamine

Drug Name Status: b-Oxymorphamine is the common name.

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

Chemical structure:

![Chemical structure of b-Oxymorphamine]

Molecular Formula: C_{17}H_{22}N_{2}O_{3}

Pharmacological class / Application: Oxymorphone derivative

CAS-RN: 72782-04-8

International status:
US: b-Oxymorphamine 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: b-Oxymorphamine is not listed specifically in the CDSA. The substance is a derivative of oxymorphone, which is listed as sub-item 1(29) of Schedule I under the heading “Opium Poppy (Papaver somniferum), its preparations, derivatives, alkaloids and salts, including:” As a derivative of oxymorphone, b-oxymorphamine 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: b-Oxymorphamine is included in sub-item 1(29) of Schedule I to the CDSA and is a controlled substance.

Date: October 24th, 2012.