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

Substance: 10-α-Hydroxymorphine

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 is captured 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: *“third party information removed as per agreement with applicant”*
Drug Status Report

Drug: 10-α-Hydroxymorphine

Drug Name Status: 10-α-Hydroxymorphine is the common name.

Chemical Name: (4S,4aR,7S,7aR,12bS,13S)-3-Methyl-2,4,4a,7,7a,13-hexahydro-1H-4, 12-methanobenzofuro[3,2-e]isoquinoline-7,9,13-triol

Chemical structure:

![Chemical structure of 10-α-Hydroxymorphine]

Molecular Formula: C_{17}H_{19}NO_{4}  CAS-RN: 131563-73-0

Pharmacological class / Application: Pharmaceutical-related substance

International status:
US: 10-α-Hydroxymorphine 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: 10-α-Hydroxymorphine is not listed specifically in the Schedules to the CDSA. The substance is reported to be a degradation product of morphine\(^1\), which is listed as sub-item 1(3) of Schedule I to the CDSA under the heading “Opium Poppy (Papaver somniferum), its preparations, derivatives, alkaloids and salts, including:”. As a derivative of morphine, 10-α-hydroxymorphine is captured under sub-item 1(3) 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: 10-α-hydroxymorphine is included under sub-item 1(3) of Schedule I to the CDSA and is a controlled substance.

Date: May 13\(^{th}\), 2013.

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