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

Substance: O-Acetyl-alpha-thebaol

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 a derivative of thebaine (paramorphine) and must be included under item 1(4) of Schedule I to the CDSA

Prepared by: ________________________________ Date: May 25, 2011
Zack Li

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:** *O*-Acetyl-alpha-thebaol

**Drug Name Status:** *O*-Acetyl-alpha-thebaol is the common name

**Chemical Name:** 3,6-Dimethoxy-4-phenanthrenol 4-acetate

**Other Names:** Acetylthebaol, NSC 117869

**Chemical structure:**

![Chemical structure of O-Acetyl-alpha-thebaol](image)

**Molecular Formula:** $\text{C}_{18}\text{H}_{16}\text{O}_4$

**CAS-RN:** 47192-97-2

**Pharmacological class / Application:** Opium alkaloid derivative

**International status:**

US: *O*-Acetyl-alpha-thebaol is not listed specifically in the schedules to the US *Controlled Substances Act* but may be considered controlled under the analogue provision of the CSA.

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: *O*-Acetyl-alpha-thebaol is a decomposition product of thebaine\(^1\) and has been reported in the scientific literature to be an impurity in heroin that is manufactured in clandestine laboratories\(^2\). Thebaine (papramorphine) is currently listed as sub-item 1(4) of Schedule I to the

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CDSA under the heading “Opium Poppy (Papaver somniferum), its preparations, derivatives, alkaloids and salts, including”. As O-acetyl-alpha-thebaol is derived directly from thebaine, the substance must be included under sub-item 1(4) of Schedule I to the CDSA.

Recommendation: O-acetyl-alpha-thebaol is included under sub-item 1(4) of Schedule I to the CDSA and is a controlled substance.

Date: May 25, 2011