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

Substance: 10-keto dextromethorphan

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 dextromethorphan and included under item 10 of Schedule I to the CDSA.

Prepared by: ___________________________ Date: August 4, 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:** 10-keto dextromethorphan

**Drug Name Status:** 10-keto dextromethorphan is the common name.

**Chemical Name:** (9R,13S,14S)-3-Methoxy-17-methylmorphinan-10-one

**Other Names:** 10-oxo dextromethorphan; (9R,13S,14S)-3-methoxy-10-oxo-N-methylmorphinan

**Chemical structure:**

![Chemical structure of 10-keto dextromethorphan](image)

**CAS RN:** 57969-05-8

**Molecular Formula:** C_{18}H_{23}NO_{2}

**Pharmacological class / Application:** Pharmaceutical-related substance

**International status:**

US: The substance is not currently listed on the schedules to the US Controlled Substances Act and is not mentioned 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-keto dextromethorphan is not currently listed in the CDSA. The substance is reported to be a derivative of dextromethorphan\(^1\) which is listed under the ‘but not including’ provision of Schedule I as sub-item 10(10) and is not a controlled substance. However, as the derivatives of dextromethorphan are not mentioned in the provision, the substance is included as a derivative of dextromethorphan under the heading “Morphinans, their salts, derivatives and salts of derivatives including:” of item 10 of Schedule I to the CDSA.

Recommendation: 10-keto dextromethorphan is included under item 10 of Schedule I to CDSA and is a controlled substance.

**Date:** August 4, 2011