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

Substance: Cocaine N-oxide

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):

- Cocaine N-oxide is a metabolite of cocaine and is included under sub-item 2(2) of schedule I to the CDSA.

Prepared by: __________________________ Date: November 9th, 2011
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:** Cocaine N-oxide

**Drug Name Status:** Cocaine N-oxide is the common name.

**Chemical Name:** 8-Azabicyclo(3.2.1)octane-2-carboxylic acid, 3-(benzoyloxy)-8-methyl-,methyl ester, 8-oxide, (1R,2R,3S,5S)-

**Chemical structure:**

![Chemical structure image]

**Molecular Formula:** C_{17}H_{21}NO_{5}

**Pharmacological class / Application:** Cocaine derivative

**CAS-RN:** 72182-46-8

**International status:**

US: Cocaine N-oxide is not listed in the *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: The substance is not listed in the schedules to the CDSA. Cocaine N-oxide is a metabolite of cocaine\(^1\), which is currently listed as sub-item 2(2) of schedule I to the CDSA under the heading “Coca (Erythroxylon), its preparations, derivatives, alkaloids and salts, including.”. As cocaine N-oxide is a metabolite of cocaine, it is considered to be a derivative of cocaine. Therefore, cocaine N-oxide is included under sub-item 2(2) of schedule I to the CDSA and is a controlled substance.

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**Recommendation:** Cocaine N-oxide is included under sub-item 2(2) of schedule I to the CDSA and is a controlled substance.

**Date:** November 9th, 2011