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

Substance: 4-(5'-Indole)piperidine

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

- Controlled ☐
- Not Controlled X

under the schedules of the Controlled Drugs and Substances Act (CDSA) for the following reason(s):

- The substance does not contain the root structure of the phenylpiperidines and therefore is not included under item 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: Bruno Lafontaine, OCS
Drug Status Report

**Drug**: 4-(5'-Indole)piperidine

**Drug Name Status**: 4-(5'-Indole)piperidine is the common name.

**Chemical Name**: 4-(5'-Indole)piperidine

**Other Names**: 4-(1H-Indol-5-yl) piperidine; 5-(4-Piperidinyl)-1H-indole

**Chemical structure**:

![Chemical structure diagram](image)

**Phenylpiperidine**

**Molecular Formula**: C$_{13}$H$_{16}$N$_{2}$

**Pharmacological class / Application**: Fine chemical

**CAS-RN**: 383861-22-1

**International status**:

US: 4-(5'-Indole)piperidine 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: 4-(5'-Indole)piperidine is not listed in the Schedules to the CDSA. The substance is used in organic synthesis and displays some structural similarity to the phenylpiperidines which is listed as item 3 “Phenylpiperidines, their intermediates, salts, derivatives and analogues and salts of intermediates, derivatives and analogues, including:” of Schedule I to the CDSA. However, earlier reviews of several structurally similar substances considered only those with the following three root structures to be captured under item 3 of Schedule I to the CDSA:
Given that 4-(5'-Indole)piperidine does not contain one of the above root structures, the substance cannot be captured under item 3 of Schedule I to the CDSA.

**Recommendation:** 4-(5'-Indole)piperidine is not included in the schedules to the CDSA and is not a controlled substance.

**Date:** October 31st, 2012.