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

Substance: 6,10-Dihydroxy buspirone

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 not similar to any of the substances included in the schedules to the CDSA.

Prepared by: ________________________________ Date: April 27th 2011
Evelyn Soo

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:** 6,10-Dihydroxy buspirone

**Drug Name Status:** 6,10-Dihydroxy buspirone is the common name.

**Chemical Name:** 6,10-Dihydroxy-8-(4-(4-(2-pyrimidinyl)-1-piperazinyl)butyl)-8-azaspiro[4,5]decane-7,9-dione

**Chemical structure:**

![Chemical structure of 6,10-Dihydroxy buspirone]

**Molecular Formula:** C_{21}H_{31}N_{5}O_{4}

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

**CAS-RN:** 658701-59-8

**International status:**

US: 6,10-Dihydroxy buspirone 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: 6,10-Dihydroxy buspirone is not currently listed in the CDSA. The substance is reported to be an impurity relating to the synthesis of buspirone, which is an anxiolytic drug which has been shown to be an effect treatment for disorders such as ADHD\(^1\) and schizophrenia\(^2\). The substance is not structurally similar to any of the substances included in the schedules to the CDSA.

**Recommendation:** 6,10-Dihydroxy buspirone is not included in the schedules to the CDSA and


is not a controlled substance.

**Date:** 27 April 2011