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

Substance: Undecanoic-d21 acid

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):

- Undecanoic-d21 acid is not similar to any of the substances included in the Schedules to the CDSA.

Prepared by: ___________________________ Date: Sept 21st 2010
Evelyn C Soo

Verified by: ___________________________ Date: __________
Marianne Tang

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:** Undecanoic-d21 acid

**Drug Name Status:** Undecanoic-d21 acid is the common name.

**Chemical Name:** 1-Decanecarboxylic acid-d21

**Chemical Structure:**

![Chemical Structure Diagram]

**Molecular Formula:** C_{11}H_{21}D_{21}O_{2}

**CAS-RN:** 60658-40-4

**Pharmacological class / Application:** Fine Chemical

**International status:**

US: The substance is not listed specifically in the CSA 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: Undecanoic-d21 acid is the deuterated form of undecanoic acid and is claimed to be a starting material in the synthesis of nandrolone-17-undecanoate-d21. While nandrolone-17-undecanoate-d21 is considered to be included under 23(28) of Schedule IV to the CDSA, undecanoic-d21 acid is not currently listed in the CDSA nor structurally similar to any of the substances included in the schedules to the CDSA.

**Recommendation:** Undecanoic-d21 acid is not included in the Schedules to the CDSA and is not a controlled substance.

**Date:** September 21\(^{st}\) 2010