Substance:  N-Nordesmethylolanzapine

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):

• N-Nordesmethylolanzapine is a metabolite of olanzapine and considered to be included under item 18 of Schedule IV to the CDSA.

Prepared by: ________________________________ Date: Nov 29th 2010

Evelyn 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:** N-Nordesmethylolanzapine

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

**Chemical Name:** 2-Methyl-4-(piperazin-1-yl)-10H-thieno(2,3-b)(1,5)benzodiazepine.

**Chemical structure:**

![Chemical structure image]

**Molecular Formula:** $C_{16}H_{18}N_4S$

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

**CAS-RN:** 161696-76-0

**International status:**

US: N-Nordesmethylolanzapine is not currently listed in the US Controlled Substances Act.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: N-Nordesmethylolanzapine is a metabolite of olanzapine\(^1\) and the substance is not listed specifically in the CDSA. While “Olanzapine (2-methyl-4-(4-methyl-1-piperazinyl)-10H-thieno[2,3-b][1,5]benzodiazepine and its salts” are specifically excluded from the CDSA as item 18(34) in Schedule IV, the derivatives of olanzapine are not captured under the exclusion and therefore must be included under the heading “Benzodiazepines, their salts and derivatives, including:” of item 18 of Schedule IV to the CDSA.

**Recommendation:** N-Nordesmethylolanzapine is included under item 18 of Schedule IV to the

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CDSA and is a controlled substance.

**Date:** 29 November 2010