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

Substance: 1,4-Dibromobutane-d4

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 structurally similar to any of the substances listed in the Schedules to the CDSA.

Prepared by: ____________________________ Date: November 16th 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:** 1,4-Dibromobutane

**Drug Name Status:** 1,4-Dibromobutane is the common name.

**Chemical Name:** 1,4-Dibromobutane

**Other Names:** Tetramethylene dibromide; tetramethylenebromide; alpha,omega-dibromobutane

**Chemical structure:**

![Chemical structure image]

**Molecular Formula:** $C_4H_8Br_2$

**Pharmacological class / Application:** Fine chemical

**CAS-RN:** 110-52-1

**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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: 1,4-Dibromobutane-d4 is the deuterated form of 1,4-dibromobutane claimed to be starting material in the synthesis of norecgonine-d4 hydrochloride. 1,4-dibromobutaine is not currently listed in the CDSA and is not structurally similar to any of the substances included in the Schedules to the CDSA.

**Recommendation:** 1,4-Dibromobutane and its deuterated form are not included in the schedules to the CDSA and are not controlled substances.

**Date:** November 16th 2010.