



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:



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-dibromobutane 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.