



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

Substance: 1,2-dibromoethane-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 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"

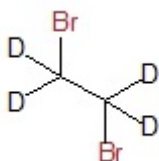
Drug Status Report

Drug: 1,2-dibromoethane-d4

Drug Name Status: 1,2-dibromoethane-d4 is the common name.

Chemical Name: 1,2-Dibromo-(1,1,2,2-²H₄)ethane

Chemical Structure:



Molecular Formula: C₂Br₂D₄

CAS-RN: 22581-63-1

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: 1,2-dibromoethane-d4 is not currently listed in the CDSA and is claimed to be a starting material in the synthesis of diphenoxylate-d4 hydrochloride. While diphenoxylate is currently listed as item 3(8) in Schedule I to the CDSA, the substance does not display any structural similarities to any of those included in the Schedules to the CDSA.

Recommendation: 1,2-dibromoethane-d4 is not included in the Schedules to the CDSA and is not a controlled substance nor precursor chemical.

Date: September 21st, 2010