



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

Substance: Diethyl-2-phenyl-malonate and bromoethane-d5

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 substances are 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:** I - Diethyl-2-phenyl-malonate

II - Bromoethane-d5

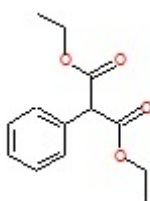
**Drug Name Status:** I - Diethyl-2-phenyl-malonate

II - Bromoethane-d5 are the common names.

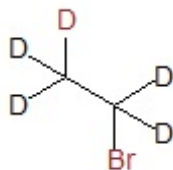
**Chemical Name:** I - Propanedioic acid, 2-phenyl-, 1,3-diethyl ester

II - Bromoethane-d5

**Chemical Structure:**



**I**



**II**

**Molecular Formula:** I - C<sub>13</sub>H<sub>16</sub>O<sub>4</sub>; II - C<sub>2</sub>Br<sub>2</sub>D<sub>4</sub>

**CAS-RN:** I - 83-13-6; II - 3675-63-6

**Pharmacological class / Application:** Fine Chemical

**International status:**

US: The substances are not listed specifically in the CSA and are not mentioned anywhere on the DEA website.

United Nations: The substances are 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: Diethyl-2-phenyl-malonate and bromoethane-d5 are claimed to be starting materials in the synthesis of phenobarbital-ethyl-d5. The substances are not currently listed in the CDSA and are not structurally similar to any of those included in the Schedules to the CDSA.

**Recommendation:** Diethyl-2-phenyl-malonate and bromoethane-d5 are not included in the Schedules to the CDSA and are not controlled substances nor precursor chemicals.

**Date:** September 21<sup>st</sup>, 2010