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:  
Evelyn C Soo  
Date:  Sept 21st 2010

Verified by:  
Marianne Tang  
Date:  

Approved by:  
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES  
Date:  

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:**

![Chemical Structure](image)

**Molecular Formula:** I - C₁₃H₁₆O₄; II - C₂Br₂D₄

**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 21st, 2010