



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

Substance: Phenobarbital-ethyl-d5

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

Controlled [checked]
Not Controlled [unchecked]

under the schedules of the Controlled Drugs and Substances Act (CDSA) for the following reason(s):

- The substance is a barbiturate and therefore is included under item 1 of Schedule IV to the CDSA.

Prepared by: Evelyn 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

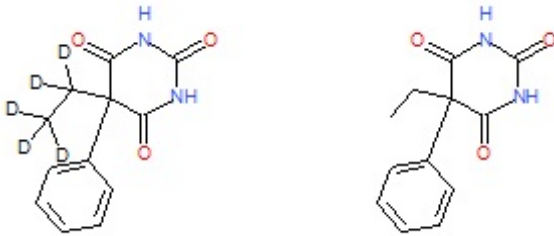
Drug: Phenobarbital-ethyl-d5

Drug Name Status: Phenobarbital-ethyl-d5 is the common name.

Chemical Name: 5-(Ethyl-d5)-5-phenyl-2,4,6(1H,3H,5H)-pyrimidinetrione

Other Names: Pentobarbital-d5

Chemical structure:



Phenobarbital

Molecular Formula: $C_{12}D_5H_7N_2O_3$

Pharmacological class / Application: Derivative of phenobarbital

CAS-RN: 73738-05-3

International status:

US: The substance is not listed specifically in the Controlled Substances Act. However, phenobarbital is currently listed in Schedule IV to the CSA.

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. However, phenobarbital is listed in the Green List - List of Psychotropic Substances under International Control

Canadian Status: The substance is not currently listed in the Schedules to the CDSA. However, the substance is a deuterated form of phenobarbital and consists of the core barbiturate structure. Phenobarbital is currently listed under item 1(21) of Schedule IV to the CDSA under the heading "Barbiturates, their salts and derivatives including:". As a derivative of phenobarbital, the substance is considered to be included under item 1(21) of Schedule IV to the CDSA.

Recommendation: Phenobarbital-ethyl-d5 is included under item 1(21) of Schedule IV to the

CDSA and is a controlled substance.

Date: 21 September 2010