



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

Substance: Phenobarbital-N-glucuronide and Phenobarbital-N-glucoside

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 substances are derivatives of phenobarbital and therefore included under item 1(21) of Schedule IV to the CDSA.

Prepared by: Evelyn Soo

Date: Oct 20th 2010

Verified by: Marianne Tang

Date:

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

Date:

This status was requested by: Wissam Sader

Drug Status Report

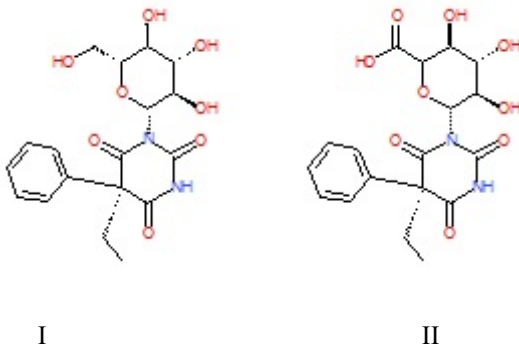
Drug: I - Phenobarbital-N-glucoside
II - Phenobarbital-N-glucuronide

Drug Name Status: I - Phenobarbital-N-glucoside
II - Phenobarbital-N-glucuronide are the common names.

Chemical Name: I - 5-ethyl-1-(1-beta-glucopyranosyl)-5-phenyl-2,4,6-(1H,3H,5H)pyrimidinetrione
II - 5-ethyl-1-(1-beta-glucopyranosiduronic acid)-5-phenyl-2,4,6-(1H,3H,5H)pyrimidinetrione

Other Names: I - 1-(beta-D-glucopyranosyl)phenobarbital; 1-Gpbb
II - 1-(beta-D-glucopyranosiduronic acid)phenobarbital

Chemical structure:



Molecular Formula: I - $C_{18}H_{22}N_2O_8$; II - $C_{18}H_{20}N_2O_9$

Pharmacological class / Application: Metabolites of phenobarbital

CAS-RN: I - 72209-10-0; II- none

International status:

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

United Nations: The substance are 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: Phenobarbital-N-glucoside and phenobarbital-N-glucuronide are metabolites of phenobarbital which is currently listed as item 1(21) in Schedule IV to the CDSA. As metabolites of phenobarbital, the substances are captured under the item heading "Barbiturates,

their salts and their derivatives including:” of item 1(21) of Schedule IV to the CDSA by virtue of being derivatives of phenobarbital.

Recommendation: Phenobarbital-N-glucoside and phenobarbital-N-glucuronide are included under item 1(21) of Schedule IV to the CDSA and are controlled substances.

Date: 20 October 2010