



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

Substance: 5-Phenyl-5-ethyl-2-thiobarbituric acid

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 thiobarbiturate and therefore included under item 2 of Schedule IV to the CDSA.

Prepared by: Evelyn Soo Date: Oct 26th 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

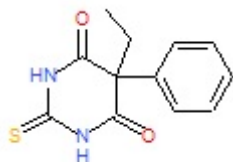
Drug: 5-Phenyl-5-ethyl-2-thiobarbituric acid

Drug Name Status: 5-Phenyl-5-ethyl-2-thiobarbituric acid is the common name

Chemical Name: 5-Ethyl-dihydro-5-phenyl-2-thioxopyrimidine-4,6(1H,5H)-dione

Other Names: 2-thiophenobarbital; 5-ethyl-5-phenyl-thiobarbituric acid

Chemical structure:



Molecular Formula: C₁₂H₁₂N₂O₂S

Pharmacological class / Application: Thiobarbiturate

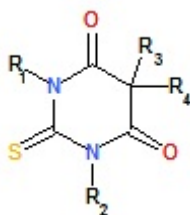
CAS-RN: 2753-74-4

International status:

US: 5-Phenyl-5-ethyl-2-thiobarbituric acid is not currently listed in the schedules to the Controlled Substances Act 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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: 5-Phenyl-5-ethyl-2-thiobarbituric acid is not listed specifically in the CDSA. A review of the chemical structures of the thiobarbiturates listed under item 2 of Schedule IV to the CDSA reveals the following characteristic root structure:



where R₁, R₂, R₃, and R₄ are various chemical substituents that differentiate the barbiturates, and where the R groups in the case of thiobarbituric acid are hydrogen (H). Based on its structure, 5-

phenyl-5-ethyl-2-thiobarbituric acid must be included under heading “Thiobarbiturates, their salts and derivatives including” of item 2 of Schedule IV to the CDSA.

Recommendation: 5-Phenyl-5-ethyl-2-thiobarbituric acid is included under item 2 of Schedule IV to the CDSA and is a controlled substance.

Date: 26th October 2010