



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

Substance: 5-(4-Ethoxyphenyl)-5-ethylbarbituric acid

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

Controlled	<input checked="" type="checkbox"/>
Not Controlled	<input type="checkbox"/>

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

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

Prepared by: _____ Date: Oct 26th 2010
 Evelyn 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"

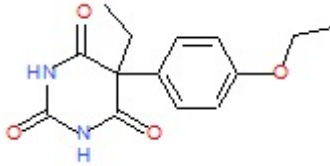
Drug Status Report

Drug: 5-(4-Ethoxyphenyl)-5-ethylbarbituric acid

Drug Name Status: 5-(4-Ethoxyphenyl)-5-ethylbarbituric acid is the common name

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

Chemical structure:



Molecular Formula: C₁₄H₁₆N₂O₄

Pharmacological class / Application: Barbiturate

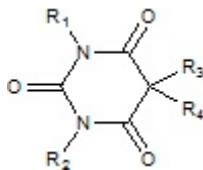
CAS-RN: 55784-21-9

International status:

US: 5-(4-Ethoxyphenyl)-5-ethylbarbituric 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-(4-Ethoxyphenyl)-5-ethylbarbituric acid is not listed specifically in the CDSA. However, on the basis of its chemical structure, the substance is considered to be a member of the barbiturate family since it contains the characteristic root structure of the barbiturates as shown below:



where R₁, R₂, R₃, and R₄ are various chemical substituents that differentiate the barbiturates, and where the R groups in the case of barbituric acid are hydrogen (H). Accordingly, 5-(4-ethoxyphenyl)-5-ethylbarbituric acid is captured under Item 1 of Schedule IV to the CDSA, under the heading “Barbiturates, their salts and derivatives including.”

Recommendation: 5-(4-Ethoxyphenyl)-5-ethylbarbituric acid is included under item 1 of Schedule IV to the CDSA and is a controlled substance.

Date: 26th October 2010