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

Substance:  Eterobarb

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

Controlled  X
Not Controlled  □

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

• The drug is currently not listed specifically on the CDSA.
• Item 1 of Schedule IV to the CDSA is, “Barbiturates, their salts and derivatives.” The barbiturates listed in item 1 contain a characteristic root structure. Given the structure of eterobarb, it is clear that it is a member of the barbiturate family.
• Also, the World Health Organization considers eterobarb to be a barbituric acid derivative.

Supporting document(s) attached: X

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Approved by:  ________________________________  Date:  __________
  DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES
Drug Status Report

**Drug:** Eterobarb

**Drug Name Status:** Eterobarb is INN, USAN and BAN

**Chemical Name:**
5-ethyl-1,3-bis(methoxymethyl)-5-phenyl-2,4,6(1H,3H,5H)-pyrimidinetrione

**Other Names:** 1,3-bis(methoxymethyl)-5-ethyl-5-phenyl-barbituric acid; N,N'-dimethoxymethylphenobarbital;

**Chemical structure:**

![Chemical structure diagram]

**Molecular Formula:** C_{16}H_{20}N_{2}O_{5}

**Pharmacological class / Application:** barbiturate

**International status:**

US: The drug is not currently listed on the US Controlled Substances Act and is not mentioned on the DEA website.

United Nations: The drug is not listed on the Yellow List - List of Narcotic Drugs under International Control. The drug is not listed on the Green List - List of Psychotropic Substances under International Control

Canadian Status: The drug is currently not listed specifically on the CDSA. Item 1 of Schedule IV to the CDSA is, “Barbiturates, their salts and derivatives.” The barbiturates listed in item 1 contain the following characteristic root structure:

![Characteristic root structure diagram]

Where R₁, R₂, R₃, and R₄ are various chemical constituents that differentiate the barbiturates. When R₁, R₂, R₃, and R₄ all equal H, the substance at the left is barbituric acid.
From the structure of eterobarb above, it is clear that eterobarb is a member of the barbiturate family. The World Health Organization considers eterobarb to be a barbituric acid derivative.

**Recommendation:** Eterobarb is included in item 1 of Schedule IV to the CDSA and is a controlled substance.