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

Substance: 2alpha-(hydroxymethyl)ethisterone

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

- Controlled ✔
- Not Controlled □

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

- The substance is a metabolite of danazol and is captured under item 23 of Schedule IV to the CDSA.

Prepared by: ____________________________ Date: ________________
Vincent Marleau

Verified by: ____________________________ Date: ________________
Mark Kozlowski

Approved by: ____________________________ Date: ________________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Martin McLean, OCS
Drug Status Report

Drug: 2alpha-(hydroxymethyl)ethisterone

Drug Name Status: 2alpha-(hydroxymethyl)ethisterone is the common name.

Chemical Name: (2S,10R,13S)-17-ethynyl-17-hydroxy-2-(hydroxymethyl)-10,13-dimethyl-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3(2H)-one

Other Names: 2-(Hydroxymethyl)ethisterone; Pregn-4-en-20-yn-3-one, 17-hydroxy-2-(hydroxymethyl)-, (2alpha,17alpha)-; 2a-(hydroxymethyl)ethisterone.

Chemical structure:

Molecular Formula: C_{22}H_{30}O_{3}  
CAS-RN: 2787-03-3

Pharmacological class / Application: Steroid

International status:

US: 2alpha-(hydroxymethyl)ethisterone is not listed specifically in the Schedules to the US 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, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances under International Control.

Canadian Status: 2alpha-(hydroxymethyl)ethisterone is not listed in the Schedules to the CDSA. The substance is a urinary metabolite of danazol\(^1\), which was previously reviewed and included as an anabolic steroid in item 23 of Schedule IV of the CDSA under the heading: “Anabolic steroids and their derivatives including”. As a metabolite of an anabolic steroid, 2alpha-(hydroxymethyl)ethisterone must be captured in item 23 of Schedule IV to the CDSA

Recommendation: 2alpha-(hydroxymethyl)ethisterone is included in item 23 of Schedule IV to the CDSA and is a controlled substance.

Date: November 19\(^{th}\), 2012.