



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

Substance: 2a,17a- Dimethyletiocholan 3-one, 17b-ol

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

Controlled []
Not Controlled x

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

- 2a,17a- Dimethyletiocholan 3-one, 17b-ol is the 5β epimer of methasterone which is an anabolic steroid. It was evaluated in 2006. Item 23 of Schedule IV is "Anabolic steroids and their derivatives." Isomers (epimers) are not included. No reports in the literature were found indicating that 2a,17a- Dimethyletiocholan 3-one, 17b-ol has anabolic activity. All of the anabolic steroids listed in item 23 have the 5α configuration

Supporting document(s) attached: Drug Status Report by Mr. LeBelle

Prepared by: Xiao Peng Feng Date: June 30, 2006

Drug Status Report by: Mr. M. LeBelle Date: June 29, 2006

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

Drug Status Report

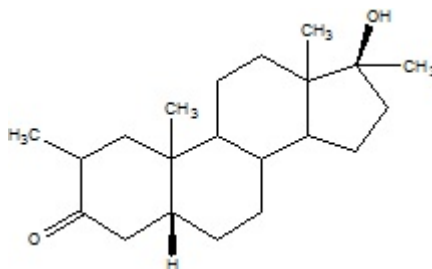
Drug: 2a,17a- Dimethyletiocholan 3-one, 17b-ol

Drug Name Status: 2a,17a-Dimethyletiocholan 3-one, 17b-ol is the common name.

Chemical Name: 17beta-Hydroxy-2alpha,17-dimethyl-etiocholan-3-one

Other Name: 17beta-Hydroxy-2alpha,17-dimethyl-5beta-androstan-3-one

Chemical structure:



Molecular Formula: C₂₁H₃₄O₂

Pharmacological/chemical class / Application: steroid

International status:

US: The substance is not listed on the US Controlled Substances Act and is not mentioned 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: 2a,17a- Dimethyletiocholan 3-one, 17b-ol is the 5β epimer of methasterone which is an anabolic steroid. It was evaluated in 2006. Item 23 of Schedule IV is "Anabolic steroids and their derivatives." Isomers (epimers) are not included. No reports in the literature were found indicating that 2a,17a- Dimethyletiocholan 3-one, 17b-ol has anabolic activity. All of the anabolic steroids listed in item 23 have the 5α configuration.

Recommendation: 2a,17a- Dimethyletiocholan 3-one, 17b-ol is not included in item 23 of Schedule IV to the CDSA and is not a controlled substance.

June 29, 2006