



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

Substance: 5beta-Androstane-3alpha, 17beta-diol

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 23 of Schedule IV to the CDSA is, "Anabolic steroids and their derivatives including." Subitem 40 of this item is testosterone.
Stern et al.1 demonstrated that 5beta-androstane-3alpha, 17beta-diol is a metabolite of testosterone found in the liver.
5beta-Androstane-3alpha, 17beta-diol is therefore a derivative of testosterone and included in item 23 of Schedule IV to the CDSA.

Supporting document(s) attached: X

Prepared by: TIANA BRANCH Date: 2005-07-29

Verified by: See email Date: 2005-07-27
MICHAEL LEBELLE

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

1 Stern MD, Ling W, Coutts JR and MacNaughton MC, J. Clin. Endocrinol. Metab. 40, 1057 (1975)

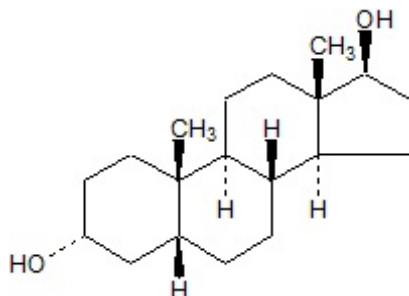
Drug Status Report

Drug: 5beta-Androstane-3alpha, 17beta-diol

Drug Name Status: 5beta-Androstane-3alpha, 17beta-diol is the common name.

Chemical Name: (3alpha, 5beta, 17beta)-androstane-3,17-diol

Chemical structure:



Molecular Formula: C₁₉H₃₂O₂

Pharmacological class / Application: steroid

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 23 of Schedule IV to the CDSA is, "Anabolic steroids and their derivatives including." Subitem 40 of this item is testosterone.

Stern et al.² demonstrated that 5beta-androstane-3alpha, 17beta-diol is a metabolite of testosterone found in the liver. 5beta-Androstane-3alpha, 17beta-diol is therefore a derivative of testosterone and included in item 23 of Schedule IV to the CDSA.

Recommendation: 5beta-Androstane-3alpha, 17beta-diol is included item 23

² Stern MD, Ling W, Coutts JR and MacNaughton MC, J. Clin. Endocrinol. Metab. 40, 1057 (1975)

of Schedule IV to the CDSA and is a controlled substance.