



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

Substance: 3-beta-hydroxy-5-beta-androstan-17-one

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:" and there follows a list of substances that are examples of anabolic steroids. One of these is testosterone.
As 3-beta-hydroxy-5-beta-androstan-17-one is a metabolite of testosterone it must be considered a derivative of that substance and therefore included in the list of anabolic steroids.

Supporting document(s) attached: X

Prepared by: TIANA BRANCH Date: 2005-07-14

Verified by: See email Date: 2005-07-14
MICHAEL LEBELLE

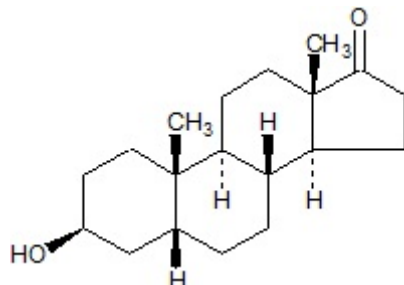
Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

**Drug:** 3-beta-Hydroxy-5-beta-androstan-17-one

**Drug Name Status:** 3-beta-Hydroxy-5-beta-androstan-17-one is a common name.

**Chemical Name:** (3beta,5beta)-3-hydroxy-androstan-17-one

**Chemical structure:**



**Molecular Formula:** C<sub>19</sub>H<sub>30</sub>O<sub>2</sub>

**Pharmacological class / Application:** Derivative (metabolite) of testosterone<sup>1</sup>

**International status:**

US: The drug is not currently listed on the US Controlled Substances Act and is not mentioned on the DEA website. 3-beta-Hydroxy-5-beta-androstan-17-one may be controlled under the CSA as anabolic steroid is defined in the CSA as, “any drug or hormonal substance, chemically and pharmacologically related to testosterone (other than estrogens, progestins, and corticosteroids) that promotes muscle growth, and includes ...” Anabolic steroids are listed on Schedule III to the CSA. Conclusive determination of the status of the substance under the CSA would need to come from the Drug Enforcement Administration.

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:” and there follows a list of substances that are examples of anabolic steroids. One of these is testosterone. As 3-beta-hydroxy-5-beta-androstan-17-one is a metabolite of testosterone it must be considered a derivative of that substance and therefore included in the list of anabolic steroids.

**Recommendation: 3-beta-Hydroxy-5-beta-androstan-17-one is included in item 23 of Schedule IV to the CDSA and is a controlled substance.**

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<sup>1</sup> Schriefers H, Eimiller A, Drews U. Hoppe Seylers Z Physiol Chem. 1976 Jan;357(1):95-101.