



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

Substance: Epiboldenone (3-oxo-androstan-1,4-dien-17alpha-ol)

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.
Boldenone is listed as subitem 23(7) of Schedule IV to the CDSA.
As epiboldenone is a derivative (metabolite1,2) of boldenone, it is included in item 23 of Schedule IV, "Anabolic steroids and their derivatives."

Supporting document(s) attached: X

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

Verified by: See email Date: 2005-07-11
MICHAEL LEBELLE

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

1 Dumasia MC, Houghton E Biomed. Environ. Mass Spectrom. 1988 17 383-392.

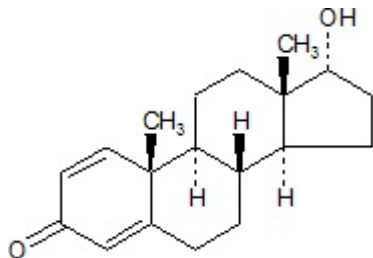
2 Pu F, McKinney, AR, Allen MS, Craig, JS, McLeod MD J, Chromatog. B, 813, 241-246 (2004).

**Drug:** Epiboldenone

**Drug Name Status:** Epiboldenone is a trivial name.

**Chemical Name:** (17 $\alpha$ )-17-Hydroxyandrosta-1,4-dien-3-one

**Chemical structure:**



**Molecular Formula:** C<sub>19</sub>H<sub>26</sub>O<sub>2</sub>

**Pharmacological class / Application:** Anabolic steroid metabolite

**International status:**

US: The drug is not currently listed on the US Controlled Substances Act and is not mentioned on the DEA website. Epiboldenone 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. Boldenone is listed as subitem 23(7) of Schedule IV to the CDSA. As epiboldenone is a derivative (metabolite<sup>3,4</sup>) of boldenone, it is included in item 23 of Schedule IV, "Anabolic steroids and their derivatives."

**Recommendation: Epiboldenone is included in item 23 of Schedule IV to the CDSA and is a controlled substance.**

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<sup>3</sup> Dumasia MC, Houghton E Biomed. Environ. Mass Spectrom. 1988 17 383-392.

<sup>4</sup> Pu F, McKinney, AR, Allen MS, Craig, JS, McLeod MD J, Chromatog. B, 813, 241-246 (2004).