Health Canada Santé Canada

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

Substance: Methyl stenbolone

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 derivative of methasterone and is included under item 23 of Schedule IV to the CDSA.

Prepared by: _____ Date: December 22nd, 2011
Vincent Marleau

Verified by: _____ Date: _____
Mark Kozlowski

Approved by: _____ Date: _____
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Cathy Copeland, CBSA

Drug Status Report

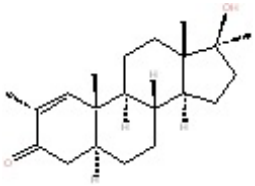
Drug: Methyl stenbolone

Drug Name Status: Methyl stenbolone is the common name.

Chemical Name: 2,17a-dimethyl-5a-androsta-1-en-17ß-ol-3-one

Other names: 2,17a-Dimethyl-17b-hydroxy-5a-androst-1-en-3-one; (5S,8R,9S,10S,13S,14S,17S)-17-hydroxy-2,10,13,17-tetramethyl-4,5,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-3H-cyclopenta[a]phenanthren-3-one; methyl sten; m-sten; 17alpha-methyl-stenbolone; Ultradrol.

Chemical structure:



Molecular Formula: $C_{21}H_{32}O_2$

Pharmacological class / Application: Methasterone derivative - Anabolic steroid

CAS-RN: N/A

International status:

US: Methyl stenbolone is not listed in 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: Methyl stenbolone is not specifically listed in the CDSA. However, Methyl stenbolone is reported in the scientific literature to be synthesized directly from methasterone[1], which is a synthetic anabolic steroid and is controlled under Item 23 of Schedule IV to the CDSA under the heading: "Anabolic steroids and their derivatives including:". As a derivative of an anabolic steroid, it is included under Item 23 of Schedule IV to the CDSA and is a controlled

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[1]Counsell, R.E. *et al*. (1961). Anabolic Agents. Derivatives of 5alpha-Androst-1-ene. Journal of Organic Chemistry. **27:**248-253.

substance.

Recommendation: Methyl stenbolone is included under Item 23 of Schedule IV to the CDSA and is a controlled substance.

Date: December 22nd, 2011