



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

Substance: Methadrostenol

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 has not been reported in the scientific literature to be an anabolic steroid nor a derivative of an anabolic steroid.

Prepared by: _____
Evelyn Soo

Date: Nov 23rd 2010

Verified by: _____
Marianne Tang

Date: _____

Approved by: _____
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

Date: _____

This status was requested by: Manon Parent, Inspectorate

Drug Status Report

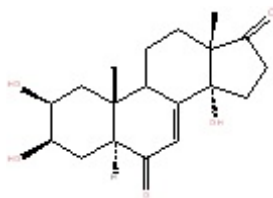
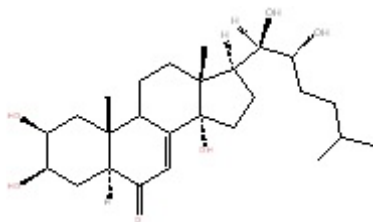
Drug: Methadrostenol

Drug Name Status: Methadrostenol is the common name.

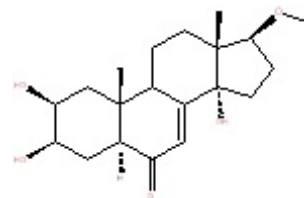
Chemical Name:

(2beta,3beta,14alpha)-17-((1R,2R)-1,2-dihydroxy-5-methylhexyl)-2,3,14-trihydroxy-5alpha-androst-7-ene-6-one

Chemical structure:



Rubrosterone



Methylidihydrorubrosterone

Molecular Formula: C₂₆H₄₂O₆

Pharmacological class / Application: unknown

International status:

US: The substance is not currently 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: Methadrostenol is claimed to be an active ingredient in D-Bol, a nutritional supplement marketed for body building purposes¹. The substance and its chemical structure have not been reported in the scientific literature and is proposed on the product label. Based on this proposed chemical structure, it can be seen that the substance is suggested to be a derivative rubrosterone. However, there is no evidence in the scientific literature to indicate that rubrosterone displays any anabolic activity. "Anabolic steroids and their derivatives" are included under item 23 of Schedule IV to the CDSA but given there is currently no evidence that methadrostenol produces any anabolic effects, the substance cannot be included under item 23 of Schedule IV. A recent review of methylidihydrorubrosterone also determined that it was not controlled under the CDSA.

¹<http://www.legalsteroids.com/d-bol.html>

Recommendation: Methadrostenol is not included in the schedules to the CDSA and is not a controlled substance.

November 23rd 2010.