Health Canada Santé Canada

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

Substance: 4beta-Hydroxystanozolol

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 metabolite of stanozolol and is captured under item 23(38) of Schedule IV to the CDSA.

Prepared by: _____ Date: July 18, 2011
Zack Li

Verified by: _____ Date: _____
Mark Kozlowski

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

This status was requested by: Brigitte Mainville, OCS

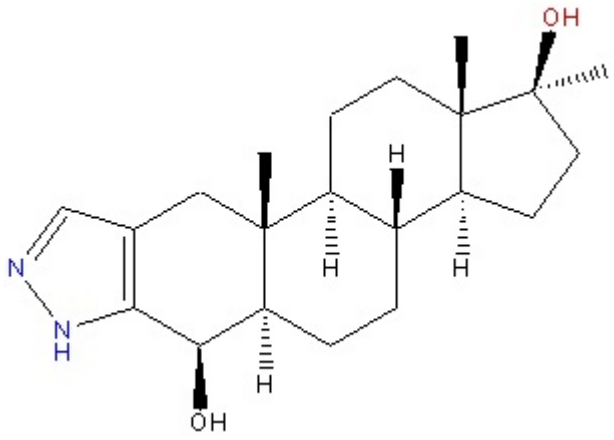
Drug Status Report

Drug: 4beta-Hydroxystanozolol

Drug Name Status: 4beta-Hydroxystanozolol is the common name.

Chemical Name: (5alpha,17beta)-17-Methyl-2'H-androst-2-eno[3,2-c]pyrazol-,4b,17-diol

Chemical structure:



Molecular Formula: $C_{21}H_{32}N_2O_2$

Pharmacological class / Application: Anabolic steroids and derivatives

International status:

US: 4beta-hydroxystanozolol is not listed on the schedules to 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: 4beta-Hydroxystanozolol is a metabolite of stanozolol, an anabolic steroid that has been reported to be used in sports doping[1]. Stanozolol (17β-hydroxy-17-methyl-5α-

[1]Schanzer. W., et al (1990). Metabolism of stanozolol: identification and synthesis of urinary metabolites. J. Steroid Biochem **36:**153-174

androstano[3,2-c]pyrazole) is currently listed as item 23(38) of Schedule IV of the CDSA under the heading “Anabolic steroids and their derivatives”. Therefore, as a metabolite of stanozolol, the substance is captured item 23(38) of Schedule IV to the CDSA as a derivative of stanozolol and is considered a controlled substance.

Recommendation: 4beta-Hydroxystanozolol is included under item 23(38) of Schedule IV to the CDSA and is a controlled substance.

Date: July 18, 2011