



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

Substances: 17alpha-Methyl-5alpha-androstane-3beta,16alpha,17beta-triol and 17alpha-methyl-5alpha-androstane-3beta,16beta,17beta-triol

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.
Methyltestosterone is listed as subitem 23 (25) on Schedule IV to the CDSA.
Both 17alpha-methyl-5alpha-androstane-3beta,16alpha,17beta-triol and 17alpha-methyl-5alpha-androstane- 3beta,16beta,17beta-triol are metabolites of methyltestosterone.
As derivatives of methyltestosterone, both substances are included in item 23, anabolic steroids, of Schedule IV to the CDSA.

Supporting document(s) attached: X

Prepared by: TIANA BRANCH Date: 2005-07-12

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

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

Drugs:

17alpha-Methyl-5alpha-androstane-3beta,16alpha,17beta-triol;
17alpha-methyl-5alpha-androstane-3beta,16beta,17beta-triol

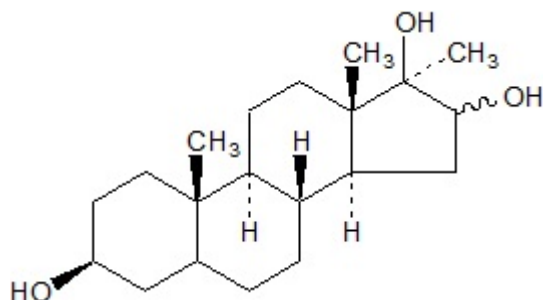
Drug Name Status:

17alpha-Methyl-5alpha-androstane-3beta,16alpha,17beta-triol and
17alpha-methyl-5alpha-androstane-3beta,16beta,17beta-triol are the chemical names.

Chemical Names:

17alpha-Methyl-5alpha-androstane-3beta,16alpha,17beta-triol;
17alpha-methyl-5alpha-androstane-3beta,16beta,17beta-triol

Other Names: 17-Methylandrostanetriol

Chemical structure:

The difference between

17alpha-methyl-5alpha-androstane-3beta,16alpha,17beta-triol and
17alpha-methyl-5alpha-androstane-3beta,16beta,17beta-triol is the configuration
of the 16-hydroxyl. The wiggly line indicates the hydroxyl may be either alpha or
beta.

Molecular Formula: C₂₀H₃₄O₃

Pharmacological class / Application: 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. As a metabolite, the substance may be included in the definition of "anabolic steroid" in the CSA which means any drug or hormonal substance, chemically and pharmacologically related to testosterone.

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. Methyltestosterone is listed as subitem 23 (25) on Schedule IV to the CDSA. Both 17alpha-methyl-5alpha-androstane-3beta,16alpha,17beta-triol and 17alpha-methyl-5alpha-androstane-3beta,16beta,17beta-triol are metabolites¹ of methyltestosterone. As derivatives of methyltestosterone, both substances are included in item 23, anabolic steroids, of Schedule IV to the CDSA.

Recommendation:

17alpha-Methyl-5alpha-androstane-3beta,16alpha,17beta-triol and 17alpha-methyl-5alpha-androstane-3beta,16beta,17beta-triol are included in item 23 of Schedule IV to the CDSA and are controlled substances.

¹ Templeton JF, Jackson CC. Steroids. 1983 Aug;42(2):115-21.