

Drug Status Report

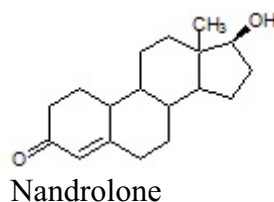
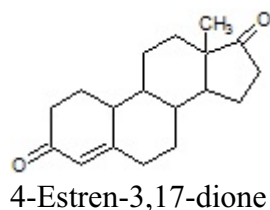
Drug: 4-Estren-3,17-dione

Drug Name Status: 4-Estren-3,17-dione is the common name.

Chemical Name: Estr-4-en-3,17-dione

Other Names: 19-Norandrostenedione; 19-Norandrost-4-en-3,17-dione

Chemical structure:



Molecular Formula: C₁₈H₂₄O₂

Pharmacological class / Application: steroid

International status:

US: The substance is not currently listed on the schedules to the US Controlled Substances Act and is not mentioned on the DEA website. However, it may be controlled by the CSA under the analogue provisions of that Act.

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: Nandrolone is subitem 23(28) of Schedule IV to the CDSA.

4-Estren-3,17-dione is a derivative of nandrolone being produced from the parent anabolic steroid by microbial oxidation¹. It is therefore included in item 23 of Schedule IV, "Anabolic steroids and their derivatives".

Recommendation: 4-Estren-3,17-dione is included in item 23 of Schedule IV to the CDSA and is a controlled substance.

December 12, 2007

¹ Yazdi, MT, Zanjani, SM, Faramarzi, MA, Amini, M, Amani, A and Abdi, K, *Archiv der Pharmazie*, 339, 8. 473-476 (2006)