

Drug Status Report

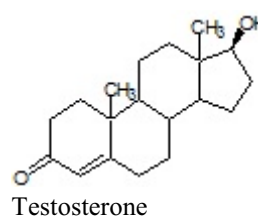
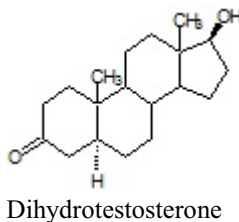
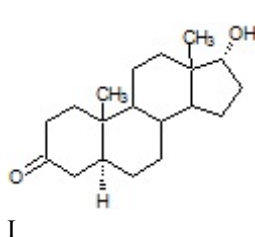
Drug: 5alpha-Androstan-17alpha-ol-3-one (I)

Drug Name Status: 5alpha-Androstan-17alpha-ol-3-one is the common name.

Chemical Name: (5-alpha,17alpha)-17-Hydroxyandrostan-3-one

Other Names: 5alpha-epidihydrotestosterone; epiallodihydrotestosterone

Chemical structure:



Molecular Formula: C₁₉H₃₀O₂

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.

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: Item 23 of Schedule IV is, "Anabolic steroids and their derivatives". Testosterone (structure above) is subitem 23(40). Dihydrotestosterone (structure above) is listed on the OCS list of controlled substances. 5alpha-Androstan-17alpha-ol-3-one is closely related to dihydrotestosterone; it differs in the configuration of the 17-hydroxy. There is no report that 5alpha-androstan-17alpha-ol-3-one is a derivative of any anabolic steroid. There is also no evidence that 5alpha-androstan-17alpha-ol-3-one has anabolic activity.

Recommendation: 5alpha-Androstan-17alpha-ol-3-one is not included in item 23 of Schedule IV and is not a controlled substance.

June 2, 2009