Drug Status Report

**Drug:** 6-Dehydrotestosterone

**Drug Name Status:** 6-Dehydrotestosterone is the common name.

**Chemical Name:** (17beta)-17-Hydroxy-androsta-4,6-dien-3-one

**Chemical structure:**

![Chemical structures of 6-Dehydrotestosterone and 6-Dehydrotestosterone undeconate](image)

**Molecular Formula:**
- 6-Dehydrotestosterone: $C_{19}H_{26}O_2$
- 6-Dehydrotestosterone undeconate: $C_{30}H_{46}O_{13}$

**Pharmacological class / Application:** steroid

**International status:**

US: 6-Dehydrotestosterone is not currently listed on the schedules to the US Controlled Substances Act and is not mentioned on the DEA website.

United Nations: 6-Dehydrotestosterone 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: 6-Dehydrotestosterone is a derivative (metabolite) of testosterone\(^1\). It is therefore included in item 23 of Schedule IV, “Anabolic steroids and their derivatives” as testosterone is subitem 23(40). Derivatives of 6-dehydrotestosterone such as the 17-deconate (structure above) are also included in item 23.

**Recommendation:** 6-Dehydrotestosterone and its 17-deconate ester are included in item 23 of

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\(^1\) Nagata K, Liberato DJ, Gillette JR, Sasame HA., Drug Metab Dispos. 1986 Sep-Oct;14(5):559-65
Schedule IV and are controlled substances.

November 25, 2008