Drug Status Report

**Drug:** Androstadienone

**Drug Name Status:** Androsta-4,16-dien-3-one

**Chemical Name:** Androsta-4,16-dien-3-one

**Other Names:** 4,16-Androstadien-3-one; Androsta-4,16-dien-3-one (8Cl)(9Cl); 4,16-Androstadien-3-one

**Chemical structure:**

![Chemical structure of Androstadienone](image)

**Molecular Formula:** C_{19}H_{26}O

**Pharmacological class / Application:** steroid

**International status:**

US: The substance is not listed on the schedules to the CSA 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. The drug is not listed on the Green List - List of Psychotropic Substances under International Control.

**Canadian Status:** Androstadienone is a metabolite of progesterone\(^1\) and has been shown to be a putative human pheromone\(^2\). The substance has not been reported in the literature to display any anabolic activity and is not a derivative of an anabolic steroid and therefore is not included under Item 23 “Anabolic steroids and their derivatives including” of Schedule IV to the CDSA.

Recommendation: Androstadienone is not included in the schedules to the CDSA and is not considered a controlled substance.

March 9\(^{th}\) 2010

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