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

Substance: Androst-5-ene-3beta,17beta-diol sulfate

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

- Controlled ✔️
- Not Controlled ☐

under the schedules of the *Controlled Drugs and Substances Act* (CDSA) for the following reason(s):

- The substance is a metabolite of prasterone and included under item 23(36) of Schedule IV to the CDSA.

Prepared by: ________________________________ Date: Jan 11th, 2012

Evelyn C Soo

Verified by: ________________________________ Date: _________

Mark Kozlowski

Approved by: ________________________________ Date: _________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Nacer Silarbi, OCS
Drug Status Report

**Drug:** Androst-5-ene-3beta,17beta-diol sulfate

**Drug Name Status:** Androst-5-ene-3beta,17beta-diol sulfate is the common name.

**Chemical Name:** 5-Androstene-3beta,17beta-diol sulfate

**Other Names:** Androst-5-ene-3betam17beta-diol, hydrogen sulfate; ADIOLS; Δ5-Diol Sulfate

**Chemical structure:**

![Chemical Structure](image)

**Molecular Formula:** $C_{19}H_{30}O_5S$

**Pharmacological class / Application:** Steroid metabolite

**CAS-RN:** 60825-60-7

**International status:**

US: Androste-5-ene-3beta,17beta-diol sulfate is not listed in the *US Controlled Substances Act* and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances Under International Control.

Canadian Status: Androste-5-ene-3beta,17beta-diol sulfate is not listed specifically in the CDSA. The substance is a major metabolite of dehydroepiandrosterone (DHEA)$^1$, which is an anabolic steroid listed as sub-item 23(36) in Schedule IV to the CDSA under the heading “Anabolic steroids and their derivatives”. As a metabolite of prasterone, the substance must be included under sub-item 23(36) of Schedule IV to the CDSA as a derivative of an anabolic steroid.

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Recommendation: Androste-5-ene-3beta,17beta-diol sulfate is included under item 23 of Schedule IV to the CDSA and is a controlled substance.

Date: January 11, 2012