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

Substance: Androsterone 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 androsterone and included under item 23 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: Androsterone sulfate

Drug Name Status: Androsterone sulfate is the common name.

Chemical Name: 3alpha-Hydroxy-5alpha-androstan-17-one sulfate

Other Names: 3alpha-Hydroxy-5alpha-androstan-17-one monosulfate; 5alpha-androsterone sulfate; androsterone, hydrogen sulfate

Chemical structure:

![Chemical structure of Androsterone sulfate]

Molecular Formula: C_{19}H_{30}O_{5}S

Pharmacological class / Application: Steroid metabolite

CAS-RN: 2479-86-9

International status:

US: Androsterone 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: Androsterone sulfate is not listed specifically in the CDSA. The substance is a major metabolite of androsterone\(^1\), which is an anabolic steroid and included under the heading “Anabolic steroids and their derivatives” of item 23 of Schedule IV to the CDSA. As a metabolite of androsterone, the substance must be included under item 23 of Schedule IV to the CDSA as a derivative of an anabolic steroid.

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**Recommendation:** Androsterone sulfate is included under item 23 of Schedule IV to the CDSA and is a controlled substance.

**Date:** January 11, 2012