



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

Substance: 16alpha-bromodehydroepiandrosterone

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

Controlled [checked]
Not Controlled [unchecked]

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

- The substance is a derivative of dehydroepiandrosterone (prasterone), which is controlled as sub-item 23(36) of Schedule IV to the CDSA.

Prepared by: Evelyn Soo Date: Jan 17th 2010

Verified by: Marianne Tang Date:

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

This status was requested by: "third party information removed as per agreement with applicant"

## Drug Status Report

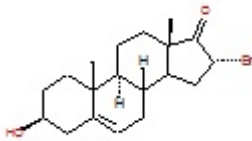
**Drug:** 16alpha-bromodehydroepiandrosterone

**Drug Name Status:** 16alpha-bromodehydroepiandrosterone is the common name.

**Chemical Name:** 5-Androsten-16alpha-bromo-3beta-ol-17-one

**Other Names:** (3beta,16alpha)-16-Bromo-3-hydroxy-androst-5-en-17-one; 16alpha-bromo-3beta-hydroxy-5-androsten-17-one

**Chemical structure:**



**Molecular Formula:**  $C_{19}H_{27}BrO_2$

**Pharmacological class / Application:** Derivative of DHEA

**CAS-RN:** 1093-91-0

**International status:**

US: The substance is not listed specifically in the Schedules to the CSA 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: 16alpha-bromodehydroepiandrosterone is not listed specifically in the schedules to the CDSA. However, the substance is a derivative of dehydroepiandrosterone<sup>1</sup> which is listed as prasterone and as sub-item 23(36) in Schedule IV to the CDSA, under the heading "Anabolic steroids and their derivatives including". As a derivative of prasterone, the substance must also included under sub-item 23(36) of Schedule IV to the CDSA.

**Recommendation:** 16alpha-bromodehydroepiandrosterone is included under sub-item 23(36) of Schedule IV to the CDSA and is a controlled substance.

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<sup>1</sup>Abou-Gharbia, M. et al. (1981) Synthesis of Dehydroepiandrosterone sulfatide and 16a-halogenated steroids, J. Pharm. Sci. **70**:1154-1157.

**Date:** 17 January 2011