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

Substance: 5a-17-(3-Pyridyl)-16-androstene-3-one

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 not an anabolic steroid nor derived from an anabolic steroid and therefore is not included under item 23 of Schedule IV to the CDSA.

Prepared by: ___________________________________________  Date: ________________

Vincent Marleau

Verified by: ____________________________________________  Date: ________________

Mark Kozlowski

Approved by: ___________________________________________  Date: ________________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Bruno Lafontaine, OCS
Drug Status Report

**Drug**: 5a-17-(3-Pyridyl)-16-androstene-3-one

**Drug Name Status**: 5a-17-(3-Pyridyl)-16-androstene-3-one is the common name.

**Chemical Name**: (10S,13S)-10,13-dimethyl-17-(pyridin-3-yl)-4,5,6,7,8,9,10,11,12,13,14,15-dodecahydro-1H-cyclopenta[a]phenanthren-3(2H)-one

**Other Names**: 5alpha-17-(3-Pyridyl)-16-androstene-3-one

**Chemical structure**:

![Chemical Structure](image)

**Molecular Formula**: C_{24}H_{31}NO  
**CAS-RN**: N/A

**Pharmacological class / Application**: Steroid

**International status**:

US: 5a-17-(3-Pyridyl)-16-androstene-3-one is not listed specifically in the Schedules to 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: 5a-17-(3-Pyridyl)-16-androstene-3-one is not listed in the Schedules to the CDSA. The substance is a related substance to abiraterone, which was previously reviewed and not included under item 23 of Schedule IV to the CDSA. There are currently no reports in the scientific literature that 5a-17-(3-Pyridyl)-16-androstene-3-one displays any anabolic activity or derived from an anabolic steroid and therefore, the substance cannot be captured under the heading “Anabolic steroids and their derivatives including” of item 23 of Schedule IV to the CDSA.

**Recommendation**: 5a-17-(3-Pyridyl)-16-androstene-3-one is not included in the Schedules to the CDSA and is not a controlled substance.

**Date**: November 19th, 2012.