Health Canada
Santé Canada

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

Substance: 3-Ethoxy-androsta-3,5-dien-17-ol-d3

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

Controlled	☐
Not Controlled	X

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

- There are no reports in the scientific literature that 3-hydroxy-5alpha-androst-1-en-17-one is an anabolic steroid.

Prepared by: _____ Date: _____
Vincent Marleau

Verified by: _____ Date: _____
Mark Kozlowski

Approved by: _____ Date: _____
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

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

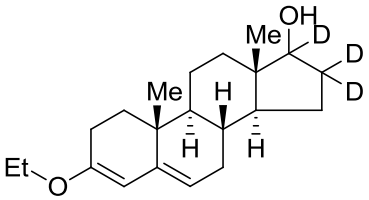
Drug Status Report

Drug: 3-Ethoxy-androsta-3,5-dien-17-ol-d3

Drug Name Status: 3-Ethoxy-androsta-3,5-dien-17-ol-d3 is the common name.

Chemical Name: 3-Ethoxy-androsta-3,5-dien-17-ol-d3

Chemical structure:



Molecular Formula: $C_{21}H_{29}D_3O_2$

Pharmacological class / Application: Steroid

CAS-RN: 165304-83-6

International status:

US: 3-Ethoxy-androsta-3,5-dien-17-ol-d3 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: 3-Ethoxy-androsta-3,5-dien-17-ol-d3 is not listed in the schedules to the CDSA. The substance is synthesized from androstenedione, which is was previously reviewed and considered captured in item 23 of Schedule IV to the CDSA under the heading: “Anabolic steroids and their derivatives” as a derivative of testosterone. However, there are no reports in the scientific literature that this steroid displays any anabolic activity or is directly derived from an anabolic steroid listed in the CDSA. Note that currently there is no evidence that androstenedione is an anabolic steroid. Accordingly, 3-Ethoxy-androsta-3,5-dien-17-ol-d3 cannot be included under item 23 of Schedule IV to the CDSA.

Recommendation: 3-Ethoxy-androsta-3,5-dien-17-ol-d3 is not included in item 23 of Schedule IV to the CDSA and is not a controlled substance.

Date: September 10th, 2012.