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

Substance: Enobosarm

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):

- The substance is not similar to any of those found in 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: Blair MacKenzie, Compliance
Drug Status Report

Drug: Enobosarm

Drug Name Status: Enobosarm is the common name.

Chemical Name: Propanamide, 3-(4-cyanophenoxy)-N-(4-cyano-3-(trifluoromethyl)phenyl)-2-hydroxy-2-methyl-, (2S)-

Other Names: Ostarine; (2S)-3-(4-Cyanophenoxy)-N-(4-cyano-3-(trifluoromethyl)phenyl)-2-hydroxy-2-methylpropanamide; MK 2866; MK-2866; MK2866.

Chemical structure:

![Chemical Structure Image]

Molecular Formula: C_{19}H_{14}F_{3}N_{3}O_{3}

Pharmacological class / Application: Selective Androgen Receptor Modulator

CAS-RN: 841205-47-8

International status:

US: Enobosarm 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: Enobosarm is not listed in the schedules to the CDSA. The substance has been reported to be used for the treatment of cancer cachexia and displays androgenic activity\(^1\). However, since ostarine is not a steroid, it cannot be included under item 13 of Schedule IV to the CDSA.

Recommendation: Enobosarm is not included in the Schedules to the CDSA and is not a controlled substance.

Date: June 13th, 2012.

\(^1\) Zilbermint, MF et al (2009). Nonsteroidal selective androgen receptor modulator Ostarine in cancer cachexia. Future Oncol. 5: 1211-1220