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

Substance: 3-Hydroxy-4-methoxytamoxifen

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 structurally similar to any of those listed 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: Eva Roig, OCS
Drug Status Report

Drug: 3-Hydroxy-4-methoxytamoxifen

Drug Name Status: 3-Hydroxy-4-methoxytamoxifen is the common name.

Chemical Name: (Z)-5-(1-(4-(2-(dimethylamino)ethoxy)phenyl)-1-phenylbut-1-en-2-yl)-2-methoxyphenol

Chemical structure:

\[ \text{Chemical structure image} \]

Molecular Formula: C\textsubscript{27}H\textsubscript{31}NO\textsubscript{3}

Pharmacological class / Application: Tamoxifen metabolite

CAS-RN: N/A

International status:

US: 3-Hydroxy-4-methoxytamoxifen 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-Hydroxy-4-methoxytamoxifen is not listed in the Schedules to the CDSA. The substance is a metabolite of tamoxifen, which is listed as a Schedule F drug under the food and Drug Regulations. The substance is not structurally similar to any of those included in the Schedules to the CDSA.

Recommendation: 3-Hydroxy-4-methoxytamoxifen is not included in the schedules to the CDSA and is not a controlled substance.

Date: September 18\textsuperscript{th}, 2012.