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

Substance: rT3

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 the substances included in the Schedules 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: rT3

Drug Name Status: rT3 is the common name.

Chemical Name: (2S)-2-Amino-3-[4-(4-hydroxy-3,5-diodophenoxy)-3-iodophenyl]propanoic acid

Other Names: Reverse triiodothyronine; 3,3',5'-Triiodothyronine; Reverse T3; 3,3',5'-Triido-L-thyronine

Chemical structure:

![Chemical structure of rT3]

Molecular Formula: C_{15}H_{12}I_{3}NO_{4}

Pharmacological class / Application: Thyroid hormone

CAS-RN: 5817-39-0

International status:

US: rT3 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: rT3 is not listed in the Schedules to the CDSA. The substance is a thyroid hormone that is produced by the thyroid gland and is not structurally similar to any of the substances included in the Schedules to the CDSA.

Recommendation: rT3 is not included in the Schedules to the CDSA and is not a controlled substance.

Date: October 30th, 2012.