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

Substances:  
I- Melanotan I  
II- Melanotan II

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 substances are polypeptides and are 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: Carol-Anne Chenard, OCS
Drug Status Report

**Drug:** I - Melanotan I  
II- Melanotan II

**Drug Name Status:** I- Melanotan I (MT-1)  
II- Melanotan II (MT-2) are the common names.

**Chemical Name:**  
I- Ac-Ser-Tyr-Ser-Nle-Glu-His-D-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH2  
II- Ac-Nle-Asp-His-D-Phe-Arg-Trp-Lys-NH2(cyclic 2-7)

**Molecular Formula:** I- C_{78}H_{111}N_{21}O_{19}; II- C_{50}H_{69}N_{15}O_{9}

**CAS-RN:** I- 75921-69-6; II- 121062-08-6

**Pharmacological class / Application:** Polypeptide

**International status:**  
US: Melanotan I and Melanotan II are not listed specifically in the Schedules to the US Controlled Substances Act and are not mentioned anywhere on the DEA website.

United Nations: The substances are 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: Melanotan I and Melanotan II are not listed in the schedules to the CDSA. The substances are melacortin receptor agonists\(^1\) and used as ingredients in sunless tanning lotions. The substances are not structurally similar to any of the substances listed in the CDSA.

**Recommendation:** Melanotan I and Melanotan II are not included in the Schedules to the CDSA and are not controlled substances.

**Date:** October 4th, 2012.

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