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

Substance: Sermorelin

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

- Controlled
- Not Controlled

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

- The substance is a synthetic peptide and an analogue of the Growth Hormone-Releasing Hormone (GHRH). It is not structurally similar to any of the substances listed in the schedules to the CDSA.

Prepared by: ___________________________ Date: April 28th 2011

Evelyn Soo

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:** Sermorelin

**Drug Name Status:** Sermorelin is the common name.

**Chemical Name:** 29-L-argininamide-30-de-L-glutamine-31-de-L-glutamine-32-deglycine-33-de-L-glutamic acid-34-de-L-serine-35-de-L-asparagine-36-de-L-glutamine-37-de-L-glutamic acid-38-de-L-arginine-39-deglycine-40-de-L-alanine-41-de-L-arginine-42-de-L-alanine-43-de-L-argininyl-44-de-L-leucinamide-somatoliberin

**Chemical structure:**

![Chemical Structure](image)

**Molecular Formula:** $\text{C}_{149}\text{H}_{246}\text{N}_{44}\text{O}_{42}\text{S}$

**Pharmacological class / Application:** Peptide

**CAS-RN:** 86168-78-7

**International status:**

US: Sermorelin is not listed in the 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: Sermorelin is not listed in the Schedules to the CDSA. The substance has been reported in the scientific literature to be a 29 amino acid synthetic analogue of the growth hormone-releasing hormone (GHRH) and used for the treatment of growth hormone deficiency\(^1\). The substance is also reportedly being marketed for bodybuilding purposes but it is not an anabolic steroid and therefore cannot be included under item 23 of Schedule IV to the CDSA. In addition, the substance is not structurally similar to any of the substances included in the schedules to the CDSA.

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

Date: 28 April 2011