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

Substance: Verapatuline

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 steroid alkaloid isolated from the roots and rhizomes of Veratrum patulum and is not similar to any of the substances included in the Schedules to the CDSA.

Prepared by: _______________________________ Date: April 18th 2011
Evelyn Soo

Verified by: _______________________________ Date: __________
Kim Barber

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: Verapatuline

Drug Name Status: Verapatuline is the common name.

Chemical Name: 1,2,3,4,5',6,6',6a,6b,7,7',7'a,8,11,11a,11b-hexadecahydro-3-hydroxy-3',6',10,11b-tetramethyl-11-oxo-spiro[9H-benzo[a]fluorene-9,2'(3'H)-furo[3,2-b]-pyridine]-4'(3'aH)-carboxylic acid,methyl ester

Chemical structure:

Molecular Formula: C_{30}H_{43}NO_{5}

Pharmacological class / Application: Steroidal alkaloid

CAS-RN: 212968-58-6

International status:

US: Verapatuline 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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Verapatuline is a steroidal alkaloid found in the roots and rhizomes of *Veratrum patulum* and is used in traditional Chinese medicine for the treatment of a variety of ailments including aphasia, dystentery, jaundice and malaria\(^1\). The substance is not listed in the CDSA and is not structurally similar to any of the substances included in the CDSA.

Recommendation: Verapatuline is not included in the schedules to the CDSA and is not a controlled substance.

Date: 18 April 2011