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

Substance: Huperzine A
\[(5R,9R,11E)-5\text{ amino}-11\text{-ethylidene}-5,6,9,10\text{-tetrahydro}-7\text{-methy}
l-5,9\text{-methanocycloocta(b)pyridin-2(1H)-one}\]

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 Control\ed Drugs and Substances Act (CDSA) for the
following reason(s):

- The drug is currently not listed on the CDSA.
- The structure of the substance is not similar to any substance on
the schedules to the CDSA.

Supporting document(s) attached: X

Prepared by: TIANA BRANCH Date: 2005-06-13

Verified by: See email Date: 2005-06-10

MICHAEL LABELLE

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date: 

Cdsa\HC\StatusDecisions\A-2013-00235 - Full Disclosure\NC-Huperzine A 2005-06-13.wpd
Drug Status Report

**Drug:** Huperzine A

**Drug Name Status:** Huperzine A is the common name; no generic (INN or USAN) has been assigned.

**Chemical Name:**
(5R,9R,11E)-5-amino-11-ethylidene-5,6,9,10-tetrahydro-7-methyl-5,9-methanocycloocta(b)pyridin-2(1H)-one

**Chemical structure:**

![Chemical Structure of Huperzine A]

**Molecular Formula:** $C_{15}H_{18}N_2O$

**Pharmacological class / Application:** Treatment of memory disorders

**International status:**

US: The drug is not currently listed on the US Controlled Substances Act and is not mentioned on the DEA website.

United Nations: The drug is not listed on the Yellow List - List of Narcotic Drugs under International Control. The drug is not listed on the Green List - List of Psychotropic Substances under International Control

Canadian Status: The drug is currently not listed on the CDSA. The structure of the substance is not similar to any substance on the schedules to the CDSA.

**Recommendation:** Based on the information available, huperzine A is not currently included in the schedules to the CDSA.