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

Substance: __ N-Benzylnortropinone ____________

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):

• N-Benzylnortropinone contains a root structure similar to tropane. Many plant alkaloids and pharmaceuticals such as atropine contain this root structure. The coca alkaloids contain the tropane moiety. However, N-benzylnortropinone is not structurally related to any controlled substance and is not a coca alkaloid.

Supporting document(s) attached: X (Drug Status Report by M. LeBelle)

Prepared by: ______________________ Date: May 12, 2006
Xiao-Peng Feng

Verified by: __ See Drug Status Report __ Date: May 12, 2006
MICHAEL LEBELLE

Approved by: ______________________ Date: __________
DIRECTOR, OFFICE OF
CONTROLLED SUBSTANCES
Drug Status Report

**Drug:** N-Benzynortropinone

**Drug Name Status:** N-Benzynortropinone is the common name

**Chemical Name:** 8-Aza-8-benzylbicyclo[3,2,1]octan-3-one

**Chemical structure:**

![Chemical structure of N-Benzynortropinone](image)

**Molecular Formula:** $\text{C}_{14}\text{H}_{17}\text{NO}$

**Pharmacological class / Application:** fine chemical

**International status:**

US: The substance is not included in the Schedules to the CSA.

United Nations: The chemical 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. It is also not listed on 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: N-Benzynortropinone contains a root structure similar to tropane.

![Structure of tropane](image)

Many plant alkaloids and pharmaceuticals such as atropine contain this root structure. The coca alkaloids contain the tropane moiety. However, N-benzynortropinone is not structurally related to any controlled substance and is not a coca alkaloid.

**Recommendation:** N-Benzynortropinone is not included in the schedules to the...
CDSA and is not a controlled substance.