



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

Substance: N-Benzyl nortropinone

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-Benzyl nortropinone 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-benzyl nortropinone 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: Xiao-Peng Feng Date: May 12, 2006

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

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

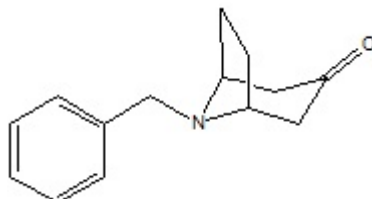
## Drug Status Report

**Drug:** N-Benzyltropinone

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

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

**Chemical structure:**



**Molecular Formula:** C<sub>14</sub>H<sub>17</sub>NO

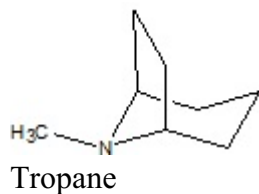
**Pharmacological class / Application:** fine chemical

**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-Benzyltropinone 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-benzyltropinone is not structurally related to any controlled substance and is not a coca alkaloid.

**Recommendation:** N-Benzyltropinone is not included in the schedules to the

CDSA and is not a controlled substance.