



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

Substance: I - NAB-07
II - NAB-08

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

Controlled [checked]
Not Controlled [unchecked]

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

- The substances are related impurities of nabilone and considered to be included under item 1(5) of Schedule II to the CDSA.

Prepared by: Evelyn Soo Date: Nov 16th 2010

Verified by: Marianne Tang Date:

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

This status was requested by: Nacer Silarbi

## Drug Status Report

**Drug:** I - NAB-07  
II - NAB-08

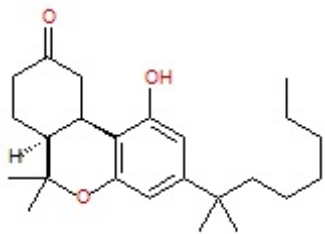
**Drug Name Status:** I - NAB-07  
II - NAB-08 are the common names.

**Chemical Name:**

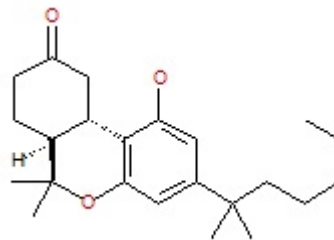
I -  $\pm$ -Cis-3-(1,1-dimethylheptyl)-6a,7,8,9,10,10a-hexahydro-1-hydroxy-6,6-dimethyl-6H-dibenzo(b,d)pyran-9-one

II -  $\pm$ -Trans-3-(1,1-dimethylheptyl)-6a,7,8,9,10,10a-hexahydro-1-hydroxy-6,6-dimethyl-6H-dibenzo(b,d)pyran-9-one

**Chemical structure:**



I



II

**Molecular Formula:** I -  $C_{24}H_{36}O_3$ ; II -  $C_{23}H_{34}O_3$

**Pharmacological class / Application:** Pharmaceutical-related substances.

**CAS-RN:** I - 56469-15-9; II - 883111-73-7

**International status:**

US: NAB-07 and NAB-08 are not currently listed in the schedules to US Controlled Substances Act and are not mentioned anywhere on the DEA website.

United Nations: The substances are 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: NAB-07 and NAB-08 are not currently listed in the Schedules to the CDSA.

However, the substances are impurities relating to the synthesis of nabilone which is currently listed as item 1(5) in Schedule II to the CDSA under the heading “Cannabis, its preparations, derivatives and similar synthetic preparations including”. Accordingly, these substances are considered to be included under item 1(5) of Schedule II on the basis that these substances are “similar synthetic preparations” of nabilone.

**Recommendation:** NAB-07 and NAB-08 are included under item 1(5) of Schedule II to the CDSA and are controlled substances.

**Date:** 16 November 2010