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

Substance: NAB27

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 considered to be a similar synthetic preparation of nabilone and therefore included under item 1 of Schedule II to the CDSA.

Prepared by: ___________________________________________  Date: Dec 16th 2010

Evelyn Soo

Verified by: ___________________________________________  Date: __________

Marianne Tang

Approved by: ___________________________________________  Date: __________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Nacer Silarbi
Drug Status Report

**Drug:** NAB27

**Drug Name Status:** NAB27 is the common name.

**Chemical Name:** (±)trans-3-(1-ethyl-1-methylhexyl)-1-hydroxy-6,6-dimethyl-6a,7,8,10,10a-hexahydro-benzo[c]chromen-9-one

**Chemical structure:**

![Chemical structure of NAB27](image)

**Molecular Formula:** C$_{24}$H$_{36}$O$_3$

**Pharmacological class / Application:** Nabilone-related impurity

**CAS-RN:** None

**International status:**
US: NAB27 is not listed specifically in the Schedules to the CSA and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed specifically on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: NAB27 is an impurity related to the synthesis of nabilone and is not listed specifically in the Schedules to the CDSA. However, nabilone is listed as sub-item 1(5) in Schedule II to the CDSA under the heading “Cannabis, its preparations, derivatives and similar synthetic preparations, including:”. As a synthetic impurity of nabilone, the substance is considered included under item 1(5) on the basis that it is a “similar synthetic preparation” of nabilone.

**Recommendation:** NAB27 is included under item 1 of Schedule II to the CDSA and is a controlled substance.

**Date:** 16 December 2010