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

Substance: Cholecalciferol

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 not similar to any of those listed in the CDSA.

Prepared by: ___________________________ Date: Sept 1st 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:** Cholecalciferol

**Drug Name Status:** Vitamin D3 is the common name.

**Chemical Name:** (3bea,5Z,7E)-9,10-secocholestra-5,7,10(19)-trien-3-ol

**Chemical Structure:**

![Chemical Structure of Cholecalciferol](image)

**Molecular Formula:** C_{27}H_{44}O

**Pharmacological class / Application:** vitamin

**CAS-RN:** 67-97-0

**International status:**

US: The substance is not listed specifically in the CSA and is not mentioned anywhere on the DEA website.

United Nations: The substance 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.

Canadian Status: Cholecalciferol is a prohormone produced via ultraviolet irradiation of 7-dehydrocholesterol. The substance serves a number of important physiological functions most notably, the mineralisation of bone, increasing serum calcium and phosphorus concentrations, regulation of parathyroid growth, as well as suppression of certain autoimmune disorders and cancers\(^1\). The substance is not currently listed in the CDSA and is not structurally similar to any of the substances included in the Schedules to the CDSA.

**Recommendation:** Cholecalciferol is not included in the Schedules to the CDSA and is not a controlled substance.

**Date:** 1 September 2010

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