



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

Substance: Lathosterol

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):

- Lathosterol is a biological precursor to cholesterol and chemically an isomer of cholesterol. Lathosterol is not similar to any substance listed on the schedules to the CDSA.

Supporting document attached: Drug Status Report by Mr. LeBelle

Prepared by: Xiao Peng Feng Date: Sept. 28, 2006

Drug Status Report by: Mr. M. LeBelle Date: Sept. 27, 2006

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

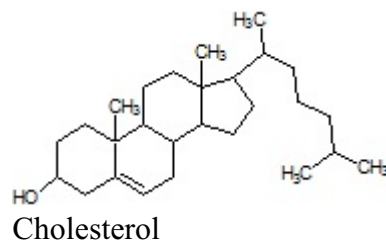
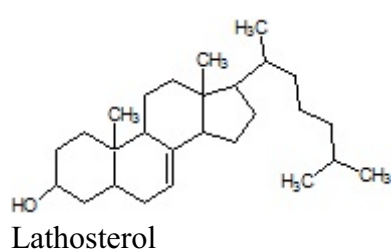
## Drug Status Report

**Drug:** Lathosterol

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

**Chemical Name:** (3beta, 5alpha)-Cholest-7-en-3-ol

**Chemical structure:**



**Molecular Formula:**  $C_{27}H_{46}O$

**Pharmacological class / Application:** Cholesterol related substance

**International status:**

US: The substance is not listed on the schedules to the US Controlled Substances Act and is not mentioned on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control. The drug is not listed on the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Lathosterol is a biological precursor to cholesterol and chemically an isomer of cholesterol. Lathosterol is not similar to any substance listed on the schedules to the CDSA.

Recommendation: Lathosterol is not included in the schedules to the CDSA and is not a controlled substance.

September 27, 2006