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

Substance: Alprazolam derivatives

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 substances are derivatives of alprazolam and included under item 18(1) of Schedule IV to the CDSA.

Prepared by: ____________________________  Date: Nov 16th 2010
Evelyn Soo

Verified by: ____________________________  Date: __________
Marianne Tang

Approved by: ____________________________  Date: __________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: “third party information removed as per agreement with applicant”
Drug Status Report

Drug: I - 4-Acetoxy alprazolam  
   II - Alprazolam 5-oxide  
   III - 1-Hydroxy alprazolam β-D-glucuronide  
   IV - 4-Hydroxy Alprazolam Methanoate

Drug Name Status: I - 4-Acetoxy alprazolam  
   II - Alprazolam 5-oxide  
   III - 1-Hydroxy alprazolam β-D-glucuronide  
   IV - 4-Hydroxy Alprazolam Methanoate are the common names.

Chemical Name:  
   I - 3-Acetoxy-8-Chloro-1-methyl-6-phenyl-4H-s-triazolo(4,3-a)(1,4-benzodiazepine  
   II - 8-Chloro-1-methyl-6-phenyl-4H-5lambda(5)-(1,2,4)triazolo(4,3-a)(1,4)benzodiazepin-5-ol  
   III - (8-Chloro-6-phenyl-4H-(1,2,4)triazolo(4,3-a)(1,4)benzodiazepin-1-yl)methyl-Glucopyranosiduronic acid  
   IV - 8-chloro-1-methyl-6-phenyl-4H-(1,2,4)triazolo(4,3-a)(1,4)benzodiazepin-4-ol methanoate

Chemical structure:

Molecular Formula: I - C₁₉H₁₅ClN₄O₂; II - C₁₇H₁₅ClN₄O; III - C₂₃H₂₁ClN₄O₇; IV - C₁₇H₁₃ClN₄O₂CH₃OH

Pharmacological class / Application: Derivatives of alprazolam

International status:

US: The above-named substances are not currently listed in Schedule IV to the US Controlled Substances Act.

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: 4-Acetoxy alprazolam, alprazolam 5-oxide, 1-Hydroxy alprazolam β-D-glucuronide and 4-Hydroxy Alprazolam methanoate are derivatives of alprazolam and are not currently listed in the CDSA. However, these substances all contain the root structure of the 1,4-benzodiazepines and as derivatives of alprazolam are also considered captured under alprazolam, which is listed as item 18(1) under the heading “Benzodiazepines, their salts and their derivatives including: in Schedule IV to the CDSA.

Recommendation: 4-Acetoxy alprazolam, alprazolam 5-oxide, 1-Hydroxy alprazolam β-D-glucuronide and 4-Hydroxy Alprazolam methanoate are included under item 18(1) of Schedule IV to the CDSA and are controlled substances.

Date: 16th November 2010