



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

Substance:	Alprazolam derivatives	
Based on the countries the above subs	current information available to the Office of Controstance is:	lled Substances, it appears that
	Controlled ✓ Not Controlled □	
under the schedules of the <i>Controlled Drugs and Substances Act</i> (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:	Evelyn Soo	Date: Nov 16 th 2010
Verified by:	Marianne Tang	Date:
Approved by:	DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES	Date:

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- $C_{19}H_{15}ClN_4O_2$; II - $C_{17}H_{13}ClN_4O$; III - $C_{23}H_{21}ClN_4O_7$; IV - $C_{17}H_{13}ClN_4O$.CH₃OH

Pharmacological class / Application: Derivatives of alprazolam

CAS-RN: I - 30896-67-4; II - 30896-65-2; III - 144964-58-9; IV - 30896-57-2

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