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

Substance: Alprazolam 5,6-epoxide

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

- Controlled: X
- Not Controlled: ☐

under the schedules of the Controlled Drugs and Substances Act (CDSA) for the following reason(s):

- The substance is a derivative of alprazolam and is captured under sub-item 18(1) of Schedule IV to the CDSA.

Prepared by: ___________________________ Date: ________________

Vincent Marleau

Verified by: ___________________________ Date: ________________

Mark Kozlowski

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:** Alprazolam 5,6-epoxide

**Drug Name Status:** Alprazolam 5,6-epoxide is the common name.

**Chemical Name:** 8-chloro-1-methyl-5,6-oxazirino-6-phenyl-4H-s-triazolo[4,3-a][1,4]diazepine

**Other Names:** 10-chloro-6-methyl-1 lb-phenyl-3H,1 lbH-oxazirino[3,2-d]-s-triazolo[4,3-a][1,4]benzodiazepine

**Chemical structure:**

![Chemical Structure](image)

**Molecular Formula:** C₁₇H₁₃ClN₄O  
**CAS-RN:** 36916-14-0

**Pharmacological class / Application:** Alprazolam derivative

**International status:**

US: Alprazolam 5,6-epoxide is not listed specifically in the Schedules to the US *Controlled Substances Act* 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, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances under International Control.

Canadian Status: Alprazolam 5,6-epoxide is not listed specifically in the schedules to the CDSA. The substance is a derivative of alprazolam¹, which is listed under sub-item 18(1) of Schedule IV to the CDSA under the heading “Benzodiazepines, their salts and derivatives, including:”. As a derivative of alprazolam, alprazolam 5,6-epoxide must be included under sub-item 18(1) of Schedule IV to the CDSA.

**Recommendation:** Alprazolam 5,6-epoxide is included under sub-item 18(1) of Schedule IV to the CDSA and is a controlled substance.

**Date:** August 10th, 2012.

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