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

Substance:  
I - 6-Chloro-4-phenylquinazoline-2-carboxaldehyde  
II - 3-Dehydroxy-3-oxo-4,5-dihydro oxazepam

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 degradation products of oxazepam and are included under sub-item 18(26) of Schedule IV to the CDSA.

Prepared by: ________________________________  Date: ____________
Evelyn Soo

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: I - 6-Chloro-4-phenylquinazoline-2-carboxaldehyde  
II - 3-Dehydroxy-3-oxo-4,5-dihydro oxazepam

Drug Name Status:
I - 6-Chloro-4-phenylquinazoline-2-carboxaldehyde  
II - 3-Dehydroxy-3-oxo-4,5-dihydro oxazepam are the common names.

Chemical Name: I - 6-Chloro-4-phenyl-2-quinazolinecarboxaldehyde  
II - 7-Chloro-4,5-dihydro-5-phenyl-1H-1,4-benzodiazepine-2,3-dione

Chemical structure:

\[
\text{I} \quad \text{II}
\]

Molecular Formula: I - C_{15}H_{12}ClN_{2}O; II - C_{15}H_{11}ClN_{2}O_{2}

CAS-RN: I - 5958-05-4; II - 19554-95-1

Pharmacological class / Application: Pharmaceutical-related substances

International status:

US: 6-Chloro-4-phenylquinazoline-2-carboxaldehyde and 3-dehydroxy-3-oxo-4,5-dihydro oxazepam are not listed on the schedules to the US Controlled Substances Act and are not mentioned anywhere on the DEA website.

United Nations: The substances are 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: 6-Chloro-4-phenylquinazoline-2-carboxaldehyde and 3-dehydroxy-3-oxo-4,5-dihydro oxazepam are not currently listed in the schedules to the CDSA. The substances have
been reported in the scientific literature to be degradation products of oxazepam\textsuperscript{1-3}, which is currently listed as sub-item 18(26) in Schedule IV to the CDSA under the heading “Benzodiazepines, their salts and derivatives, including:” As these substances are derived from oxazepam, they must be included under sub-item 18(26) of Schedule IV to the CDSA. It is noteworthy that 3-dehydroxy-3-oxo-4,5-dihydro oxazepam also contains the core structure of the 1,4-benzodiazepines.

**Recommendation:** 6-Chloro-4-phenylquinazoline-2-carboxaldehyde and 3-dehydroxy-3-oxo-4,5-dihydro oxazepam are included under sub-item 18(26) of Schedule IV to the CDSA and are controlled substances.

**Date:** September 7th, 2011


\textsuperscript{2}Bell, SC. And Childress, SJ. (1964) Additional rearrangements of 5-phenyl-1,4-benzodiazepines, J. Org. Chem. 29:506-507.