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

Substance: 2,3-Pentylone isomer

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 an isomer of pentylone and therefore included under item 1 of Schedule III 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: Lehli Pour, DAS
Drug Status Report

Drug: 2,3-Pentylone isomer

Drug Name Status: 2,3-Pentylone isomer is the common name.

Chemical Name: 1-(benzo[d][1,3]dioxol-4-yl)-2-(methylamino)pentan-1-one

Other Names: 1-(benzo[d][1,3]dioxol-4-yl)-2-(methylamino)pentan-1-one, monohydrochloride

Chemical structure:

![Chemical structure of 2,3-Pentylone isomer]

Molecular Formula: C₁₃H₁₇NO₄  CAS-RN: N/A

Pharmacological class / Application: Pentylone Isomer

International status:

US: 2,3-Pentylone isomer is not listed on 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: 2,3-Pentylone isomer is not listed specifically in the CDSA. The substance is an isomer of pentylone, which was previously reviewed and included under item 1 of Schedule III to the CDSA under the heading “Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues including:” as an analogue of amphetamine. Since the isomers of pentylone are captured under the item heading, 2,3-pentylone isomer must also be included under item 1 of Schedule III to the CDSA.

Recommendation: 2,3-pentylone isomer is included under item 1 of Schedule III to the CDSA and is a controlled substance.

Date: July 10th, 2012.