Health Canada
Santé Canada

**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

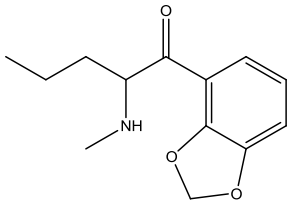
**Drug:** 2,3-Pentylone isomer

**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:**




**Molecular Formula:** $C_{13}H_{17}NO_4$ **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.