



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

Substance: Valeric anhydride

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 substance is a starting material in the synthesis of 2-(methylamino)-3,4'-(methylenedioxy)valerophenone and is not similar in structure to any of the substances listed in the CDSA.

Prepared by: \_\_\_\_\_  
Evelyn C Soo

Date: October 19<sup>th</sup> 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

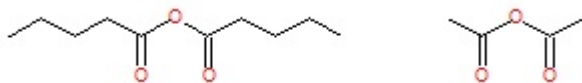
**Drug:** Valeric anhydride

**Drug Name Status:** Valeric anhydride is the common name.

**Chemical Name:** Pentanoic acid, 1,1'-anhydride

**Other Names:** Pentanoic acid, anhydride

**Chemical Structure:**



**Molecular Formula:**  $C_{10}H_{18}O_3$

**CAS-RN:** 2082-59-9

**Pharmacological class / Application:** Fine chemical

**International status:**

US: The substance is not listed specifically in the CSA and is not mentioned anywhere on the DEA website.

United Nations: The substances 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: Valeric anhydride is reported to be starting material in the synthesis of 2-(methylamino)-3,4'-(methylenedioxy)valerophenone and is not currently listed in the CDSA. The substance shows some structural similarity to acetic anhydride but cannot be included under item 1 of Part A of Schedule VI to the CDSA.

**Recommendation:** Valeric anhydride is not included in the schedules to the CDSA and is not a controlled substance nor a precursor chemical.

**Date:** October 19<sup>th</sup> 2010