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

Substance:  3’4’-(Methylenedioxy)butyrophenone

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 not similar to any of the substances included in the schedules to the CDSA.

Prepared by: ___________________________  Date: April 27th 2011
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: 3’4’-(Methylenedioxy)butyrophenone

Drug Name Status: 3’4’-(Methylenedioxy)butyrophenone is the common name.

Chemical Name: 1-(1,3-Benzodioxol-5-yl)-1-butanone

Other Names: 5-Butyryl-1,3-benzodioxole

Chemical structure:

![Chemical structure of 3’4’-(Methylenedioxy)butyrophenone]

Molecular Formula: $C_{11}H_{21}O_3$

Pharmacological class / Application: Pharmaceutical-related substance

CAS-RN: 63740-97-6

International status:

US: 3’4’-(Methylenedioxy)butyrophenone is not listed in the 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: 3’4’-(Methylenedioxy)butyrophenone is not currently listed in the CDSA. The substance is used in the synthesis of alpha-propylpiperonylamine and its analogues but is not similar to any of the substances included in the schedules to the CDSA. It is noteworthy that a review of a structurally similar substance, 3’,4’-(methylenedioxy)propiophenone concluded that the substance should not be included in the schedules to the CDSA.

Recommendation: 3’4’-(Methylenedioxy)butyrophenone is not included in the schedules to the CDSA and is not a controlled substance.

Date: 27 April 2011