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

Substance: 2-(Dimethylamino)-3',4'-(methyleneedioxy)butyrophenone Hydrochloride

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 analogue of N,N–dimethyl–3,4–methylene dioxyamphetamine and is considered controlled under Sub-Item 1(12) 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: "third party information removed as per agreement with applicant"
Drug: 2-(Dimethylamino)-3',4'-(methylenedioxy)butyrophenone Hydrochloride

**Drug Name Status:** 2-(Dimethylamino)-3',4'-(methylenedioxy)butyrophenone Hydrochloride is the common name.

**Chemical Name:** 2-(Dimethylamino)-3',4'-(methylenedioxy)butyrophenone Hydrochloride

**Other Names:** 1-(1,3-Benzodioxol-5-yl)-2-(dimethylamino)-1-butane Hydrochloride; bk-DMBDB

**Chemical structure:**

![Chemical structure diagram](image)

**Molecular Formula:** C_{13}H_{18}ClNO_3

**CAS-RN:** 17763-12-1

**Pharmacological class / Application:** Fine chemical

**International status:**

**US:** 2-(Dimethylamino)-3',4'-(methylenedioxy)butyrophenone Hydrochloride is not listed specifically in 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-(Dimethylamino)-3',4'-(methylenedioxy)butyrophenone Hydrochloride is not listed in the schedules to the CDSA. The substance is substantially similar in structure to N,N–dimethyl–3,4–methylenedioxyamphetamine (shown above), which is Sub-Item 1(12) in Schedule III to the CDSA, under the heading “Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues including:” Therefore, 2-(Dimethylamino)-3',4'-(methylenedioxy)butyrophenone Hydrochloride is considered captured under Sub-Item 1(12) of Schedule III to the CDSA as an analogue of N,N–dimethyl–3,4–methylenedioxyamphetamine.
Recommendation: 2-(Dimethylamino)-3',4'-(methylenedioxy)butyrophenone Hydrochloride is included under Sub-Item 1(12) of Schedule III to the CDSA in the schedules to the CDSA and is a controlled substance.

Date: May 7th, 2012.