



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

Substance: I - 2,3-(Methylenedioxy)benzaldehyde
II - 4-Benzyloxy-3-methoxybenzaldehyde

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

Controlled []
Not Controlled [x]

under the schedules of the Controlled Drugs and Substances Act (CDSA) for the following reason(s):

- The substances are not considered to be similar to any of those included in the Schedules to the CDSA .

Prepared by: Evelyn Soo Date: Dec 10th 2010

Verified by: Marianne Tang Date:

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

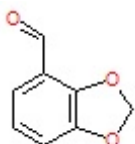
This status was requested by: third party information removed as per agreement with applicant

Drug Status Report

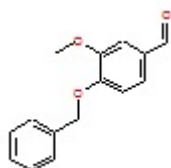
Drug: I - 2,3-(Methylenedioxy)benzaldehyde
II - 4-Benzyloxy-3-methoxybenzaldehyde

Drug Name Status: I - 2,3-(Methylenedioxy)benzaldehyde
II - Benzylvanillin are the common names.

Chemical Name: I - Benzo-1,3-dioxole-4-carboxaldehyde
II - 3-methoxy-4-(phenylmethoxy)-benzaldehyde

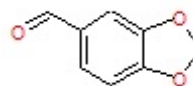


I



II

Chemical Structure:



Piperonal

Molecular Formula: I - C₈H₆O₃; II - C₁₅H₁₄O₃

CAS-RN: I - 7797-83-3; II - 2426-87-1

Pharmacological class / Application: Fine chemical

International status:

US: 2,3-(Methylenedioxy)benzaldehyde and 4-benzyloxy-3-methoxybenzaldehyde are not currently listed in the Schedules to the *US Controlled Substances Act* and are not mentioned anywhere on the DEA website.

United Nations: The substances are 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-(Methylenedioxy)benzaldehyde and 4-benzyloxy-3-methoxybenzaldehyde are claimed to be starting materials in the synthesis of 2,3-methylenedioxymethamphetamine hydrochloride and 4-hydroxy-3-methoxymethamphetamine hydrochloride, respectively, and are not currently listed in the CDSA. As shown above, 2,3-(methylenedioxy)benzaldehyde is structurally similar to piperonal and differ only with respect to the position of the aldehyde

group. Piperonal is currently listed as item 14 “Piperonal (1,3-benzodioxole-5-carboxyaldehyde)” in Part 1 of Schedule VI to the CDSA and is considered a Class A Precursor. However, the item heading does not extend to include 2,3-(methylenedioxy)benzaldehyde. Regarding 4-benzyloxy-3-methoxybenzaldehyde, the substance is not structurally similar to any of those included in the Schedules to the CDSA.

Recommendation: 2,3-(Methylenedioxy)benzaldehyde and 4-benzyloxy-3-methoxybenzaldehyde are not included in the Schedules to the CDSA and are not controlled substances.

Date: 10 December 2010