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

Substance: 2-Hydroxy-4-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 substance is not listed in the Schedules to the CDSA and is not similar to any of the substances included in 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: Ian Findlay, Compliance
Drug Status Report

Drug: 2-Hydroxy-4-methoxybenzaldehyde

Drug Name Status: 2-Hydroxy-4-methoxybenzaldehyde is the common name.

Chemical Name: 2-Hydroxy-4-methoxybenzaldehyde

Other Names: 4-Methoxysalicylaldehyde; MBALD

Chemical structure:

\[ \text{Chemical structure image} \]

Molecular Formula: C$_8$H$_8$O$_3$  
CAS-RN: 673-22-3

Pharmacological class / Application: Fine chemical

International status:

US: 2-Hydroxy-4-methoxybenzaldehyde 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-Hydroxy-4-methoxybenzaldehyde is not listed in the schedules to the CDSA. The substance is extracted from the Hemidesmus indicus root and is found to display antimicrobial activity$^1$. 2-Hydroxy-4-methoxybenzaldehyde is not structurally similar to any of the substances included in the Schedules to the CDSA. It is noteworthy to include that a similar compound, 4-hydroxy-3-methoxybenzaldehyde, was previously reviewed and was not included in the Schedules to the CDSA.

Recommendation: 2-Hydroxy-4-methoxybenzaldehyde is not included in the Schedules to the CDSA and is not a controlled substance.

Date: August 22nd, 2012.

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