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

Substance: DMAC phenolic glucuronide

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 a metabolite of mebeverine and included under item 1 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: Bruno Lafontaine, OCS
Drug Status Report

**Drug:** DMAC phenolic glucuronide

**Drug Name Status:** DMAC phenolic glucuronide is the common name

**Chemical Name:** 3-[4-Dimethylamino)phenyl]prop-2-enal, phenolic glucuronide

**Chemical structure:**

![Chemical structure of DMAC phenolic glucuronide]

**Molecular Formula:** C$_{21}$H$_{31}$O$_{9}$N

**Pharmacological class / Application:** Pharmaceutical-related substance

**CAS-RN:** None

**International status:**

US: DMAC phenolic glucuronide 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: DMAC phenolic glucuronide is not listed in the Schedules to the CDSA. The substance is a metabolite of mebeverine$^1$, a spasmolytic drug used for the treatment of irritable bowel syndrome, which was previously reviewed and considered captured under item 1 of Schedule III to the CDSA. As a metabolite of mebeverine, the substance must be included under the heading “Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues including” of item 1 of Schedule III to the CDSA.

**Recommendation:** DMAC phenolic glucuronide is included under item 1 of Schedule III to the CDSA and is a controlled substance.

**Date:** October 30th, 2012.