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

Substance:
4-[3-[4-(1,1-dimethylpropyl)-phenyl]-2-methylpropyl]-2,6-dimethylmorpholine 4-oxide

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 structurally similar to any of those listed 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: Bruno Lafontaine, OCS
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Drug Status Report

Drug: 4-[3-[4-(1,1-dimethylpropyl)-phenyl]-2-methylpropyl]-2,6-dimethylmorpholine 4-oxide

Drug Name Status: 4-[3-[4-(1,1-dimethylpropyl)-phenyl]-2-methylpropyl]-2,6-dimethylmorpholine 4-oxide is the common name.

Chemical Name: (2R,6S)-2,6-dimethyl-4-(2-methyl-3-(4-(tert-pentyl)phenyl)propyl)morpholine 4-oxide

Chemical structure:

![Chemical Structure Image]

Molecular Formula: C_{21}H_{35}NO_2

Pharmacological class / Application: Impurities of Amorolfine

CAS-RN: 78613-39-5

International status:

US: 4-[3-[4-(1,1-dimethylpropyl)-phenyl]-2-methylpropyl]-2,6-dimethylmorpholine 4-oxide 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: 4-[3-[4-(1,1-dimethylpropyl)-phenyl]-2-methylpropyl]-2,6-dimethylmorpholine 4-oxide is not listed in the Schedules to the CDSA. The substance is a derivative of amorolfine, which is an antifungal agent used nail lacquer. The substance is not similar in structure to any of those listed in the CDSA and is considered not controlled.

Recommendation: 4-[3-[4-(1,1-dimethylpropyl)-phenyl]-2-methylpropyl]-2,6-dimethylmorpholine 4-oxide is not included in the Schedules to the CDSA and is not a controlled substance.

Date: November 19th, 2012.

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